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2013-2993-17

October 31, 2014

Mr. William Veile
California Department of Toxic Substances Control
Office of Permitting
8800 Cal Center Drive
Sacramento, CA 95826-3200

RE: Interim Status (Class 2) Modification and Temporary Authorization Request
Centrifuge No. 1 and West Yard Truck Wash
Exide Technologies
Vernon, California
CAD 097 854 541

Dear Mr. Veile:

Advanced GeoServices, on behalf of Exide Technologies, submits this Interim Status (Class 2) Modification for the inclusion of one existing miscellaneous unit and one existing tank at the Exide Technologies facility in Vernon, California (CAD 097 854 541). Exide operates a secondary lead recycling facility at this location for the recovery of lead from automotive batteries and other lead-bearing materials received from off-site and generated on-site.

Specifically, the following existing units were submitted in the August 4, 2014 Part B Permit Application:

Miscellaneous Unit

Centrifuge No. 1 (Unit 80)

Tank

West Yard Truck Wash (Unit 87)

While these existing units were previously submitted with the August 4, 2014 RCRA Part B Permit application, this Interim Status Modification is being submitted to allow continued operation. The Interim Status Modification is being prepared in accordance with Class 2 Permit Modification requirements in California Code of Regulations, Title 22, Chapter 20, Article 4, 66270.42(b). A Class 2 modification is required as noted in CCR, Title 22, Chapter 20, Article 7, Appendix I, G.1.b as addition of the tank results in a less than 25% increase in the facility's tank capacity. DTSC approval of this modification is required prior to implementation.



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The physical location and process flow for each unit are provided on the attached figures. The revised Part A application and secondary containment calculations were submitted August 4, 2014 with the RCRA Part B Permit Application. A copy of the Part A application is attached. The revised Closure Plan (Section 12 of the RCRA Part B Permit Application) and Closure Cost Estimate (Appendix P of the RCRA Part B Permit Application) were submitted to DTSC on August 18, 2014. Additional detail for each unit is provided below.

TEMPORARY AUTHORIZATION REQUEST

Temporary Authorization is being requested for the immediate use of the aforementioned existing tank, West Yard Truck Wash (Unit 87). The West Yard Truck Wash is existing at the facility and is in use on a daily basis for the purpose of cleaning the wheels and undercarriage of vehicles exiting the property. This Temporary Authorization request was prepared in accordance with CCR, Title 22, Chapter 20, Article 4, 66270.42(e). A Temporary Authorization is being requested to reduce disruption of ongoing waste management activities per CCR 66270.42(e)(3)(C)(3). We understand that the Temporary Authorization would have an initial term of not more than 180 days.

A Temporary Authorization request is not being submitted for Centrifuge No. 1 (Unit 80).

CENTRIFUGE NO. 1 (UNIT 80)

Unit 80, Centrifuge No. 1, is an existing miscellaneous unit for separation of rinse water and plastic chips. The centrifuge dimensions are 8 feet 4 inches by 6 feet 4 inches by 11 feet 3 inches high. The centrifuge is constructed of 304 stainless steel. The centrifuge is located in RMPS as shown on the attached figure. Manufacturer design information is attached. The design treatment rate is 8,000 lb/hr. Separated liquids are transferred to RMPS Floor Sump (Unit 6). Separated chips are transferred to a tractor trailer for shipment off-site for further recycling.

Secondary containment calculations do not apply to miscellaneous units as material is not stored in the unit.

WEST YARD TRUCK WASH (UNIT 87)

Unit 87, West Yard Truck Wash, is a 10,145 gallon (maximum inventory and gross capacity) concrete lined sump which collects wash water from decontaminating vehicles prior to leaving the facility's Bandini Boulevard entrance. The West Yard Truck Wash is 41 feet 6 inches by 14 feet 6 inches by 2 feet 3 inches deep with 16 inches by 16 inches by 16 inches (18 gallon) precast concrete sump. The water is transferred to Battery Dump Bin Sump (Unit 5). As part of this Class 2 modification, the West Yard Truck Wash will be upgraded to be double lined (stainless steel within concrete) with leak detection. Additional information will be provided prior to upgrades. Figures for the existing truck wash are attached. An engineering certification (i.e.,



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Tank Assessment Report) for the West Yard Truck Wash will be provided once the sump is upgraded and the tank tightness test is complete. Secondary containment calculations do not apply for double-lined in-ground sumps.

PUBLIC NOTICE

A notice will be sent to the facility mailing list in accordance with Title 22, 66270.42(b) and the appropriate unit of state and local government within 7 days before or after this letter. The notice will also be published in Eastside Sun, La Opinion, Long Beach Press Telegraph and Bell/Maywood Industrial Post newspapers within 7 days before or after this letter. Proof of mailing and newspaper publication will be provided to DTSC when available. The 60-day public comment period begins on the date of newspaper publication (November 6, 2014). A public meeting will be held on December 10, 2014 from 6 to 8 pm at the Double Tree Hotel at 5757 Telegraph Road, Commerce, CA 90040.

If you have any questions, please contact John Hogarth at Exide at (323) 262-1101 or Jen DiJoseph at Advanced GeoServices at (610) 840-9189.

Sincerely,

ADVANCED GEOSERVICES

Jennifer W. DiJoseph
Associate Project Consultant

Paul G. Stratman, P.E.
Senior Project Consultant



JWD:PGS:vm

Enclosure

cc: John Hogarth, Exide
Ed Mopas, Exide
Tom Strang, Exide
Repository



PUBLIC NOTICE

PUBLIC NOTICE OF AN INTERIM STATUS MODIFICATION AND TEMPORARY
AUTHORIZATION REQUEST
EXIDE TECHNOLOGIES, EPA ID NO. CAD 097 854 541

On October 31, 2014, Exide Technologies (Exide), 2700 South Indiana Avenue, Vernon, California, 90058 submitted an application for Interim Status Modification and a Temporary Authorization request to the State of California, Department of Toxic Substances Control (DTSC), 8800 Cal Center Drive, Sacramento, California 95826-3200. DTSC is the State agency authorized to issue or deny applications for hazardous waste facility permits and other forms of authorization pursuant to the California Hazardous Waste Control Law and its implementing regulations.

Exide operates a metal (lead) treatment and storage/recycling facility at the Vernon location for the recovery of lead from automotive batteries and other lead-bearing materials received from off-site and generated on-site.

The Interim Status Modification application addresses one existing miscellaneous unit and one existing tank. Specifically, the existing miscellaneous unit is Centrifuge No. 1 (Unit 80). The existing tank is West Yard Truck Wash (Unit 87). These units are existing at the facility and were previously submitted in the facility's August 4, 2014 RCRA Part B Permit Application. Temporary Authorization is requested for the West Yard Truck Wash (Unit 87) only.

There is no change in waste management or treatment processes. The waste managed by the units and secondary containment have not changed. This is a Class 2 modification and requires DTSC's prior approval before the change is put into effect.

A 60-day public comment period on the Interim Status Modification begins on the date of this publication (November 6, 2014). Comments shall be sent to Bill Veile, DTSC, 8800 Cal Center Drive, Sacramento, California 95826-3200. A public meeting regarding the Interim Status Modification will be held on December 10, 2014 from 6 to 8 p.m. at the Double Tree Hotel at 5757 Telegraph Road, Commerce, California 90040.

The public is invited to review information about the Exide facility and documents related to the Interim Status Modification and Temporary Authorization request at the Maywood Cesar Chavez Public Library, 4323 Slauson Avenue, Maywood or Department of Toxic Substances Control, 5796 Corporate Avenue, Cypress. During normal business hours, please call (714) 484-5337 for an appointment. To view electronic versions of Exide project documents, please visit DTSC's website: <http://www.dtsc.ca.gov/HazardousWaste/Projects/exide.cfm>. The permittee's compliance history during the life of the permit being modified is available from the Department contact person.

A copy of the Interim Status Modification, Temporary Authorization request and supporting documents are available for review at the Exide facility at 2700 South Indiana Avenue, Vernon, California 90058.

You are receiving this notification because you have expressed interest in matters concerning the Exide Facility and/or you are on the facility mailing list. If you have any questions regarding the Interim Status Modifications, please contact John Hogarth, Exide Plant Manager, at (323) 262-1101 ext. 275 or Bill Veile, DTSC contact person at (916) 255-3605.



FIGURES

HAZARDOUS WASTE MANAGEMENT UNITS BY PROCESS

Container Storage

- 1 Central Container Storage Building
- 2 West Container Storage Building #1
- 3 West Container Storage Building #2
- 103 Trailer Staging Area

RMPS

- 5 Battery Dump Bin Sump
- 6 RMPS Floor Sump
- 7 North Mud Tank
- 8 Center Mud Tank
- 9 South Mud Tank
- 10 South Acid Storage Tank
- 12 Paste Thickening Unit (Santa Maria)
- 13 Sink/Float Separator
- 14 Recycle Tank
- 40 RMPS Hammer Mill
- 41 Waste Acid Circulation Tank
- 42 East Elutriation Column
- 43 West Elutriation Column
- 45 RMPS Filter Press Unit B
- 66 Acid Overflow Tank A
- 67 Acid Overflow Tank B
- 68 Clarifying Acid Filter Press
- 70 Oscillating Pan Feeder
- 79 Surge Tank (Proposed)
- 80 Centrifuge No. 1
- 81 Centrifuge No. 2 (Proposed)
- 82 RMPS Acid Storage Tank (Proposed)
- 83 Shredder (Proposed)
- 84 Vibrating Screen (Proposed)
- 85 Industrial Cell Extraction (Proposed)
- 86 Industrial Cell Shredder (Proposed)

WWTP

- 44 WWTP Filter Press
- 52 Equalization Tank 1
- 53 Equalization Tank 2
- 54 Sludge Holding Tank
- 55 Flocculation Tank
- 56 WWTP Clarifier
- 57 Reaction Tank 1
- 58 Reaction Tank 2
- 59 Reaction Tank 3
- 60 Reaction Tank 4
- 61 Reaction Tank 5
- 62 WWTP Sump
- 63 WWTP Acid Storage Tank
- 71 #1 Sand Filter
- 72 #2 Sand Filter
- 73 #3 Sand Filter
- 74 #4 Sand Filter
- 75 #5 Sand filter
- 76 WWTP Recycled Acid Tank
- 77 Sand Filter Feed Tank

Drop Out System/Surface Impoundment

- 46 Pump Sump
- 47 Settling Tank No. 1
- 48 Settling Tank No. 2
- 49 Settling Tank No. 3
- 50 Settling Tank No. 4
- 78 Stormwater Surface Impoundment

Smelter Building

- 36 Reverb Furnace
- 37 Blast Furnace
- 69 Rotary Kiln
- 89 Receiving Kettle A
- 90 Receiving Kettle B
- 91 Receiving Kettle E
- 92 Receiving Kettle F
- 93 Receiving Kettle G
- 94 Refining Kettle 1
- 95 Refining Kettle 2
- 96 Refining Kettle 3
- 97 Refining Kettle 4
- 98 Refining Kettle 5
- 99 Refining Kettle 6
- 100 Refining Kettle 7
- 101 Refining Kettle 8
- 102 Refining Kettle 9

Miscellaneous

- 35 Mobile Equipment Wash Station
- 87 West Yard Truck Wash

Containment Building

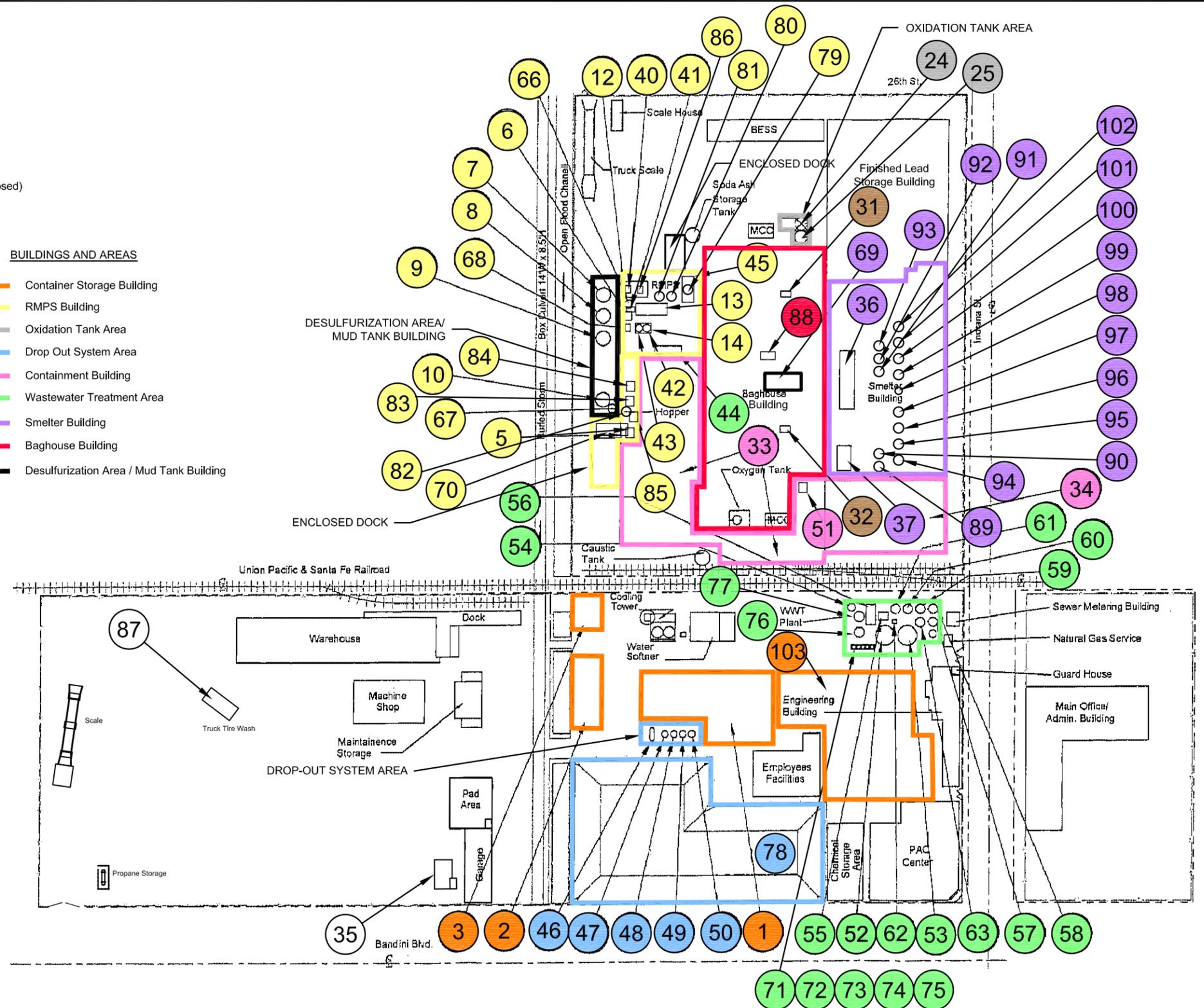
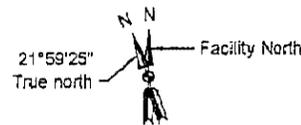
- 33 Reverb Furnace Feed Room
- 34 Blast Furnace Feed Room
- 51 Truck Wash Sump

Baghouse Building

- 88 Neptune Scrubber Tank (Proposed)

BUILDINGS AND AREAS

- Container Storage Building
- RMPS Building
- Oxidation Tank Area
- Drop Out System Area
- Containment Building
- Wastewater Treatment Area
- Smelter Building
- Baghouse Building
- Desulfurization Area / Mud Tank Building



NOTE:

1. ADAPTED FROM LAKE ENGINEERING FIGURE 5.2 FROM PART B APPLICATION, MAY 2002.
2. SECONDARY CONTAINMENT AREAS ARE THE BUILDING BOUNDARIES, SEE APPENDIX GG.
3. 'UNIT PROCESS' INDICATES THE PROCESS IN WHICH A UNIT IS USED, NOT ITS LOCATION.
4. UNIT SIZES AND LOCATIONS ARE APPROXIMATE
5. SEE APPENDIX A FOR ADDITIONAL DRAWINGS



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FACILITY PLOT PLAN

Exide Technologies
Vernon, California

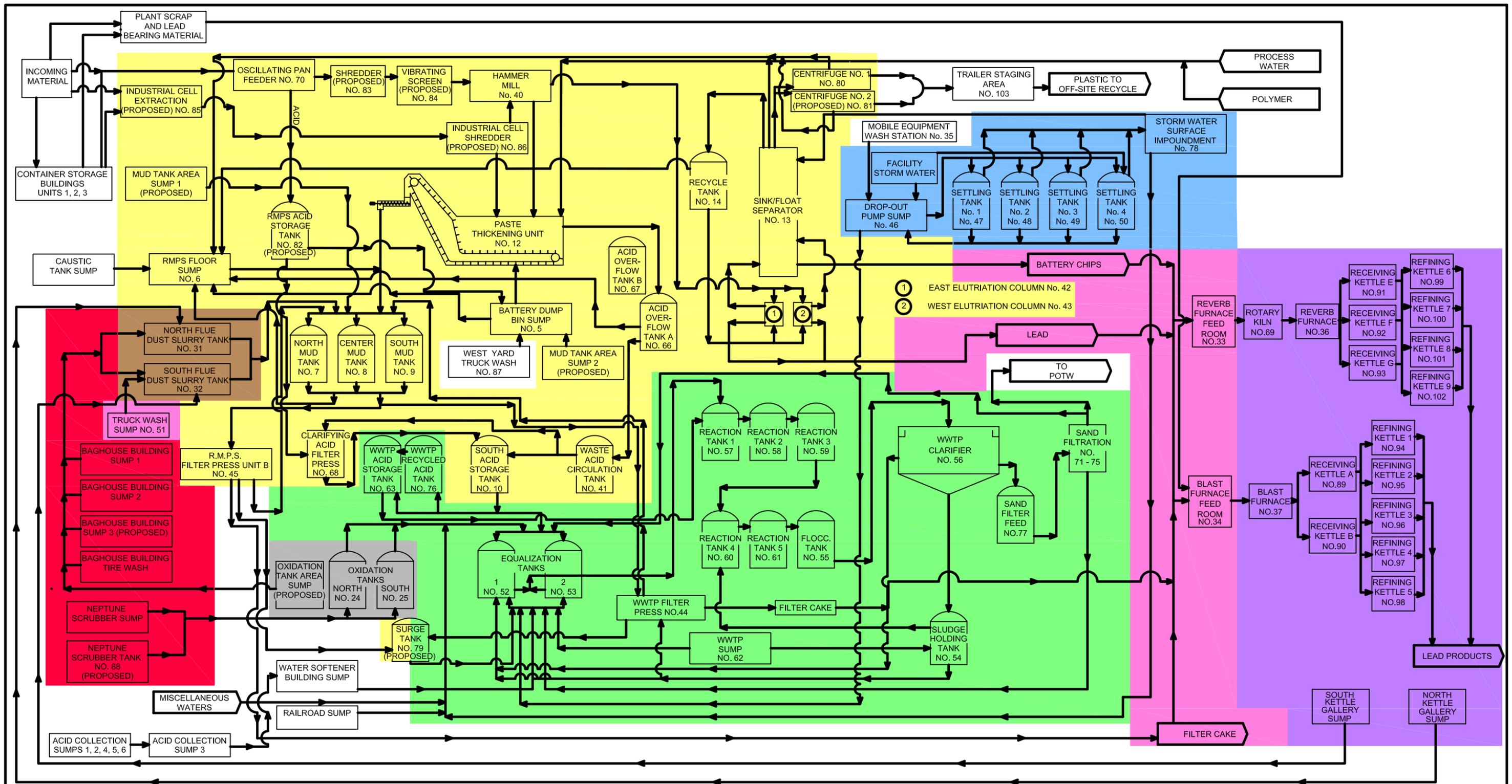
SCALE: N.T.S.

PROJECT NUMBER: 2013-2993-01

DATE: 8/4/14, Revised 8/19/14

Figure

5.1



NOTE:
 1. ADAPTED FROM LAKE ENGINEERING FIGURE 5.4 FROM PART B APPLICATION, MAY 2002.
 2. COLOR REPRESENTS FACILITY PROCESS, NOT LOCATION.

FACILITY PROCESS

- RMPS
- WWTP
- BAGHOUSE FLUE DUST
- SMELTER BUILDING
- CONTAINMENT BUILDINGS
- SCRUBBER FEED
- DROPOUT SYSTEM
- BAGHOUSE BUILDING



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PROCESS FLOW DIAGRAM

Exide Technologies
 Vernon, California

SCALE:	N.T.S.	Figure
PROJECT NUMBER:	2013-2993-01	5.2
DATE:	8/4/14	

F:\Projects\2013\20132993 - Exide Vernon Permitting Assistance\Cad\2013-2993-078\2002-967-05-12 03 2014.dwg



Part A Submitted August 4, 2014

<p>SEND COMPLETED FORM TO: The Appropriate State or Regional Office.</p>	<p>United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM</p>		
<p>1. Reason for Submittal</p> <p>MARK ALL BOX(ES) THAT APPLY</p>	<p>Reason for Submittal:</p> <p><input type="checkbox"/> To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)</p> <p><input type="checkbox"/> To provide a Subsequent Notification (to update site identification information for this location)</p> <p><input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application</p> <p><input checked="" type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # <u>7B</u>)</p> <p><input type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</p> <p><input type="checkbox"/> Site was a TSD facility and/or generator of $\geq 1,000$ kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)</p>		
<p>2. Site EPA ID Number</p>	<p>EPA ID Number <u>C</u> <u>A</u> <u>D</u> <u>0</u> <u>9</u> <u>7</u> <u>8</u> <u>5</u> <u>4</u> <u>5</u> <u>4</u> <u>1</u></p>		
<p>3. Site Name</p>	<p>Name: Exide Technologies</p>		
<p>4. Site Location Information</p>	<p>Street Address: 2700 South Indiana Street</p> <p>City, Town, or Village: Los Angeles County: Los Angeles</p> <p>State: CA Country: USA Zip Code: 90023-0957</p>		
<p>5. Site Land Type</p> <p>NAICS Code(s) for the Site (at least 5-digit codes)</p>	<p><input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> <p>A. <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> C. <u> </u> <u> </u> <u> </u> <u> </u> <u> </u></p> <p>B. <u>1</u> <u>5</u> <u>7</u> <u>2</u> <u>5</u> D. <u> </u> <u> </u> <u> </u> <u> </u> <u> </u></p>		
<p>7. Site Mailing Address</p>	<p>Street or P.O. Box: P.O. Box 23957</p> <p>City, Town, or Village: Los Angeles</p> <p>State: CA Country: USA Zip Code: 90023-0957</p>		
<p>8. Site Contact Person</p>	<p>First Name: John MI: Last: Hogarth</p> <p>Title: Plant Manager</p> <p>Street or P.O. Box: P.O. Box 23957</p> <p>City, Town or Village: Los Angeles</p> <p>State: CA Country: USA Zip Code: 90023-0957</p> <p>Email: john.hogarth@na.exide.com</p> <p>Phone: 323-262-1101 Ext.: 275 Fax: 323-296-1906</p>		
<p>9. Legal Owner and Operator of the Site</p>	<p>A. Name of Site's Legal Owner: Exide Technologies Date Became Owner: 9/29/2000</p> <p>Owner Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> <p>Street or P.O. Box: 13000 Deerfield Parkway, Suite 200</p> <p>City, Town, or Village: Milton Phone:</p> <p>State: GA Country: USA Zip Code: 30004</p> <p>B. Name of Site's Operator: Exide Technologies Date Became Operator: 9/29/2000</p> <p>Operator Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>		

10. Type of Regulated Waste Activity (at your site)
 Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-10.

- | | |
|---|--|
| <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 1. Generator of Hazardous Waste
 If "Yes", mark only one of the following – a, b, or c.</p> <p><input checked="" type="checkbox"/> a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.</p> <p><input type="checkbox"/> b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.</p> <p><input type="checkbox"/> c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.</p> <p>If "Yes" above, indicate other generator activities in 2-4.</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 2. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 3. United States Importer of Hazardous Waste</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 4. Mixed Waste (hazardous and radioactive) Generator</p> | <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 5. Transporter of Hazardous Waste
 If "Yes", mark all that apply.</p> <p><input type="checkbox"/> a. Transporter</p> <p><input type="checkbox"/> b. Transfer Facility (at your site)</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 6. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these activities.</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 7. Recycler of Hazardous Waste</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 8. Exempt Boiler and/or Industrial Furnace
 If "Yes", mark all that apply.</p> <p><input type="checkbox"/> a. Small Quantity On-site Burner Exemption</p> <p><input checked="" type="checkbox"/> b. Smelting, Melting, and Refining Furnace Exemption</p> <p>Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 9. Underground Injection Control</p> <p>Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 10. Receives Hazardous Waste from Off-site</p> |
|---|--|

B. Universal Waste Activities; Complete all parts 1-2.

- Y** **N** **1. Large Quantity Handler of Universal Waste** (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.
- | | |
|---------------------------------|-------------------------------------|
| a. Batteries | <input checked="" type="checkbox"/> |
| b. Pesticides | <input type="checkbox"/> |
| c. Mercury containing equipment | <input type="checkbox"/> |
| d. Lamps | <input type="checkbox"/> |
| e. Other (specify) _____ | <input type="checkbox"/> |
| f. Other (specify) _____ | <input type="checkbox"/> |
| g. Other (specify) _____ | <input type="checkbox"/> |
- Y** **N** **2. Destination Facility for Universal Waste**
 Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.

- Y** **N** **1. Used Oil Transporter**
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)
- Y** **N** **2. Used Oil Processor and/or Re-refiner**
 If "Yes", mark all that apply.
- a. Processor
- b. Re-refiner
- Y** **N** **3. Off-Specification Used Oil Burner**
- Y** **N** **4. Used Oil Fuel Marketer**
 If "Yes", mark all that apply.
- a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- b. Marketer Who First Claims the Used Oil Meets the Specifications

J. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

- ❖ You can **ONLY** Opt into Subpart K if:
 - you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; AND
 - you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y N 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories
See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:

- a. College or University
- b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
- c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y N 2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Waste

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D002	D004	D005	D006	D007	D008	D010
K069						

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

CA132	CA171	CA172	CA181	CA352	CA721	CA722
CA723	CA724	CA726	CA791	CA792		

12. Notification of Hazardous Secondary Material (HSM) Activity

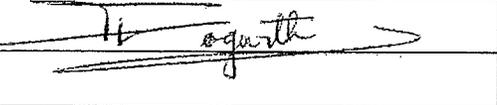
Y N Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

Multiple empty horizontal lines for providing comments.

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	John Hogarth, Plant Manager	07/29/14

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact	First Name: John	MI:	Last Name: Hogarth
	Contact Title: Plant Mangager		
	Phone: 323-262-1101	Ext.: 275	Email: john.hogarth@na.exide.com
2. Facility Permit Contact Mailing Address	Street or P.O. Box: P.O. Box 23957		
	City, Town, or Village: Los Angeles		
	State: CA		
	Country: USA	Zip Code: 90023-0957	
3. Operator Mailing Address and Telephone Number	Street or P.O. Box: P.O. Box 23957		
	City, Town, or Village: Los Angeles		
	State: CA	Phone: 678-566-9000	
	Country: USA	Zip Code: 90023-0957	
4. Facility Existence Date	Facility Existence Date (mm/dd/yyyy): 1922		

5. Other Environmental Permits												
A. Facility Type <i>(Enter code)</i>	B. Permit Number										C. Description	
	1	2	4	8	3	8						SCAQMD Title V Air Quality Permit
	PT0003217, PT0000456, PT0002264, PT0002693										City of Vernon Health Permits	
	1	5	7	2	5							LA County Sanitation District-Industrial Wastewater Discharge Permit (exp. 4/16/2017)
	L	0	0	9	1	1	0	-	0	2		California Permit to Operate Liquefied Petroleum Gas Tank
	A010505-02, A010507-02										California Permit to Operate Air Pressure Tank	
	A044050-12, A044226-12											
	A044227-12, A044228-12											
	A010054-05, A010505-02											
	4	1	9	1	0	2	3	8	7	8		General Permit to Discharge Stormwater Associated with Industrial Activity

6. Nature of Business: See Attachment A

7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3

- A. PROCESS CODE** – Enter the code from the list of process codes below that best describes each process to be used at the facility. If more lines are needed, attach a separate sheet of paper with the additional information. For “other” processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item 8.
- B. PROCESS DESIGN CAPACITY** – For each code entered in Item 7.A; enter the capacity of the process.
- AMOUNT** – Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
 - UNIT OF MEASURE** – For each amount entered in Item 7.B(1), enter the code in Item 7.B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.
- C. PROCESS TOTAL NUMBER OF UNITS** – Enter the total number of units for each corresponding process code.

Process Code	Process	Appropriate Unit of Measure for Process Design Capacity	Process Code	Process	Appropriate Unit of Measure for Process Design Capacity
Disposal			Treatment (Continued) (for T81 – T94)		
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour; Kilograms Per Hour; or Million BTU Per Hour
D80	Landfill	Acre-feet; Hectares-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln	
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure Listed Below	T86	Blast Furnace	
Storage			T87	Smelting, Melting, or Refining Furnace	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T89	Methane Reforming Furnace	
S03	Waste Pile	Cubic Yards or Cubic Meters	T90	Pulping Liquor Recovery Furnace	
S04	Surface Impoundment	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid	
S05	Drip Pad	Gallons; Liters; Cubic Meters; Hectares; or Cubic Yards	T92	Halogen Acid Furnaces	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T93	Other Industrial Furnaces Listed in 40 CFR 260.10	
S99	Other Storage	Any Unit of Measure Listed Below	T94	Containment Building Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTU Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million BTU Per Hour
Treatment			Miscellaneous (Subpart X)		
T01	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
T02	Surface Impoundment	Gallons Per Day; Liters Per Day	X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Metric Tons Per Hour; or Million BTU Per Hour	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Gallons Per Day; Liters Per Hour; or Million BTU Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Short Tons Per Day; BTUs Per Hour; Gallons Per Day; Liters Per Hour; or Million BTU Per Hour	X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; or Million BTU Per Hour	X99	Other Subpart X	Any Unit of Measure Listed Below

Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code	Unit of Measure	Unit of Measure Code
Gallons.....	G	Short Tons Per Hour.....	D	Cubic Yards.....	Y
Gallons Per Hour.....	E	Short Tons Per Day.....	N	Cubic Meters.....	C
Gallons Per Day.....	U	Metric Tons Per Hour.....	W	Acres.....	B
Liters.....	L	Metric Tons Per Day.....	S	Acre-feet.....	A
Liters Per Hour.....	H	Pounds Per Hour.....	J	Hectares.....	Q
Liters Per Day.....	V	Kilograms Per Hour.....	X	Hectare-meter.....	F
		Million BTU Per Hour.....	X	BTU Per Hour.....	I

7. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 7 (shown in line number X-1 below): A facility has a storage tank, which can hold 533,788 gallons.

Line Number	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only						
					(1) Amount (Specify)	(2) Unit of Measure								
X 1	S	0	2		533,788	G	001							
1	S	0	1		99,840	G	001							
2	S	0	1		24,960	G	001							
3	S	0	1		14,560	G	001							
4	S	0	1		Closed Unit									
5	S	0	2		1,287	G	001							
6	S	0	2		1,463	G	001							
7	T	0	1		310,000	U	001							
8	T	0	1		310,000	U	001							
9	T	0	1		310,000	U	001							
10	S	0	2		14,055	G	001							
11	S	0	2		Closed Unit									
12	T	0	1		310,000	U	001							
13	T	0	1		310,000	U	001							

Note: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the line sequentially, taking into account any lines that will be used for "other" process (i.e., D99, S99, T04, and X99) in Item 8.

8. Other Processes (Follow instructions from Item 7 for D99, S99, T04, and X99 process codes)

Line Number (Enter #s in sequence with Item 7)	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only						
					(1) Amount (Specify)	(2) Unit of Measure								
X 2	T	0	4		100.00	U	001							

ADDITIONAL SHEET FOR ITEM XII

Line Number	A. Process Code					B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only				
						1. Amount	2. Unit of Measure						
0	1	4	S	0	2	3,635	G	001					
0	1	5	S	0	2	CLOSED							
0	1	6	T	0	1	CLOSED							
0	1	7	T	0	1	CLOSED							
0	1	8	S	0	2	CLOSED							
0	1	9	S	0	2	CLOSED							
0	2	0	T	0	1	CLOSED							
0	2	1	T	0	1	CLOSED							
0	2	2	S	0	2	CLOSED							
0	2	3	S	0	2	CLOSED							
0	2	4	T	0	1	48,126	U	001					
0	2	5	T	0	1	48,126	U	001					
0	2	6	T	0	1	CLOSED							
0	2	7	T	0	1	CLOSED							
0	2	8	T	0	1	CLOSED							
0	2	9	T	0	1	CLOSED							
0	3	0	S	0	2	CLOSED							
0	3	1	S	0	2	1,393	G	001					
0	3	2	S	0	2	1,393	G	001					
0	3	3	S	0	6	4,379	Y	001					
0	3	4	S	0	6	1,486.3	Y	001					
0	3	5	S	0	2	1,097	G	001					
0	3	6	X	0	3	450	N	001					
0	3	7	X	0	3	250	N	001					
0	3	8	S	0	2	CLOSED							
0	3	9	S	0	2	CLOSED							
0	4	0	X	0	2	53	N	001					
0	4	1	T	0	1	1440	U	001					
0	4	2	X	0	2	310,000	U	001					
0	4	3	X	0	2	310,000	U	001					
0	4	4	X	0	2	310,000	U	001					
0	4	5	X	0	2	310,000	U	001					
0	4	6	S	0	2	3,842	G	001					
0	4	7	S	0	2	8,763	G	001					
0	4	8	S	0	2	8,763	G	001					
0	4	9	S	0	2	8,763	G	001					
0	5	0	S	0	2	8,763	G	001					
0	5	1	S	0	2	154	G	001					
0	5	2	S	0	2	61,675	G	001					
0	5	3	S	0	2	61,817	G	001					
0	5	4	S	0	2	6,293	G	001					
0	5	5	T	0	1	310,000	U	001					
0	5	6	T	0	1	310,000	U	001					
0	5	7	T	0	1	310,000	U	001					
0	5	8	T	0	1	310,000	U	001					
0	5	9	T	0	1	310,000	U	001					
0	6	0	T	0	1	310,000	U	001					
0	6	1	T	0	1	310,000	U	001					
0	6	2	S	0	2	662	G	001					
0	6	3	S	0	2	12,548	G	001					
0	6	4	T	0	2	CLOSED							
0	6	5	S	0	2	CLOSED							
0	6	6	S	0	2	2,584	G	001					
0	6	7	S	0	2	2,850	G	001					
0	6	8	X	0	2	144,000	U	001					
0	6	9	X	0	3	720	N	001					

ADDITIONAL SHEET FOR ITEM XII

						B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only				
Line Number		A. Process Code				1. Amount	2. Unit of Measure						
0	7	0	X	0	2	40	Y	001					
0	7	1	T	0	1	36,000	E	001					
0	7	2	T	0	1	36,000	E	001					
0	7	3	T	0	1	36,000	E	001					
0	7	4	T	0	1	36,000	E	001					
0	7	5	T	0	1	36,000	E	001					
0	7	6	S	0	2	310,000	U	001					
0	7	7	S	0	2	310,000	U	001					
0	7	8	S	0	4	2,348,006	G	001					
0	7	9	S	0	2	5,670	G	001					
0	8	0	X	0	2	8,000	J	001					
0	8	1	X	0	2	7,000	J	001					
0	8	2	S	0	2	1,400	G	001					
0	8	3	X	0	2	TBD		001					
0	8	4	X	0	2	TBD		001					
0	8	5	X	0	2	TBD		001					
0	8	6	X	0	2	10	D	001					
0	8	7	S	0	2	10,145	G	001					
0	8	8	S	0	2	2,000	G	001					
0	8	9	X	0	2	90	N	001					
0	9	0	X	0	2	90	N	001					
0	9	1	X	0	2	300	N	001					
0	9	2	X	0	2	300	N	001					
0	9	3	X	0	2	300	N	001					
0	9	4	X	0	2	90	N	001					
0	9	5	X	0	2	90	N	001					
0	9	6	X	0	2	90	N	001					
0	9	7	X	0	2	90	N	001					
0	9	8	X	0	2	90	N	001					
0	9	9	X	0	2	300	N	001					
1	0	0	X	0	2	300	N	001					
1	0	1	X	0	2	300	N	001					
1	0	2	X	0	2	300	N	001					
1	0	3	S	0	1	1,332	Y	001					

9. Description of Hazardous Wastes - Enter Information in the Sections on Form Page 5

- A. **EPA HAZARDOUS WASTE NUMBER** – Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subp C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.
- B. **ESTIMATED ANNUAL QUANTITY** – For each listed waste entered in Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. **UNIT OF MEASURE** – For each quantity entered in Item 9.B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all listed hazardous wastes.

For non-listed waste: For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item 9.D(1).
3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.

2. PROCESS DESCRIPTION: If code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.
2. In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.D.2 on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 9 (shown in line numbers X-1, X-2, X-3, and X-4 below) – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES																
	(1) PROCESS CODES (Enter Code)							(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))															
X	1	K	0	5	4	900	P	T	0	3	D	8	0										
X	2	D	0	0	2	400	P	T	0	3	D	8	0										
X	3	D	0	0	1	100	P	T	0	3	D	8	0										
X	4	D	0	0	2																		Included With Above

9. Description of Hazardous Wastes (Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)																	
Line Number	A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES										
	(1) PROCESS CODES (Enter Code)							(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))									
1	K	0	6	9	2,160	T	S	0	2	T	0	1	X	0	2	S06, X03	
2	Spent Lead-Acid Batteries																
3	D	0	0	8	200,000	T	S	0	1	T	0	1	X	0	2	S02, S03, X03	
4	D	0	0	2	included	above											
5	D	0	0	4	included	above											
6	D	0	0	5	included	above											
7	D	0	0	6	included	above											
8	D	0	0	7	included	above											
9	D	0	1	0	included	above											
1	0	Battery Manufacturing Plant Scrap															
1	1	D	0	0	8	15,000	T	S	0	1	S	0	6	X	0	3	
1	2	D	0	0	2	included	above										
1	3	D	0	0	4	included	above										
1	4	D	0	0	5	included	above										
1	5	D	0	0	6	included	above										
1	6	D	0	0	7	included	above										
1	7	D	0	1	0	included	above										
1	8	Wastewater															
1	9	D	0	0	2	160,475	T	S	0	2	T	0	1	S	0	2	
2	0	D	0	0	4	included	above										
2	1	D	0	0	5	included	above										
2	2	D	0	0	6	included	above										
2	3	D	0	0	7	included	above										
2	4	D	0	0	8	included	above										
2	5	D	0	1	0	included	above										
2	6	Wastewater Sludge															
2	7	D	0	0	2	2,040	T	S	0	2	X	0	2	S	0	6	
2	8	D	0	0	4	included	above										
2	9	D	0	0	5	included	above										
3	0	D	0	0	6	included	above										
3	1	D	0	0	7	included	above										
3	2	D	0	0	8	included	above										
3	3	D	0	1	0	included	above										
3	4																
3	5																
3	6																

10. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

11. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

12. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas (see instructions for more detail).

13. Comments

Attachment A-1 Lead Acid Battery Recycling Description
Attachment A-2 Hazardous Waste Management Unit Description
Attachment A-3 Solid Waste Management Units Summary
Attachment A-4 Certification and Signature
Attachment A-5 Property Owner and Company Information
Attachment B History of Part B Permit Applications



Date: August 2014
Revision No.: 7B

ATTACHMENT A-1

Lead Acid Battery Recycling Description



Date: August 2014

Revision No.: 7B

Page No.: 1 of 1

ATTACHMENT A-1

Item XI of the Part A Application C

The Nature of the Business of Lead-Acid Battery Reclamation

The life cycle of a battery begins with its construction at the manufacturing plant, followed by the purchase and use of the battery for electrical ignition. The average life of an automotive battery is approximately three years. Once the battery can no longer hold a charge, the "dead," "spent," or "junk" battery is typically returned to the retailer at the time of replacement purchase. The retailer may accumulate a trailer load before either shipping the batteries back to a manufacturer's collection point, scrap dealer, or directly to a secondary lead plant (battery recycling plant). Batteries are stored at a secondary lead recycling plant before being separated into their constituent parts. The lead smelted and recovered from the spent batteries is primarily used at a battery manufacturing plant to produce new batteries. The plastic battery case material is also reclaimed and used to produce new battery cases.

Due to a drop in lead prices and an increase in the cost of production, less than half of the secondary lead recyclers in the United States in business in 1980 are still operating today. However, the number of used batteries being generated has increased with population growth and will continue to do so with the increased use of electric vehicles.

This facility has an average production of 100,000 to 120,000 tons of lead per year. This average production capacity is equivalent to recycling about 11 million automotive batteries per year, about the same number of spent batteries generated in California annually. This facility also recycles lead-bearing plant scrap, primarily from lead-acid battery manufacturers, which is also used to manufacture lead.



18 April 2011

RE: Recycling of Lead-Acid Batteries at Exide Technologies

Dean A. Rossi
Vice President, Global Environment
Health and Safety

Exide Technologies
Corporate Headquarters
13000 Deerfield Parkway, Bldg. 200
Milton, GA 30004
678-556-9000 tel
678-566-9638 fax
www.exide.com

To Whom It May Concern:

Exide Technologies owns and operates secondary lead smelters for the recycling of spent lead-acid batteries and other lead bearing materials. When your batteries are returned to our secondary lead recycling facilities they are recycled in a manner that ensures compliance with federal land ban regulations and state recycling laws. Our facilities currently operate under RCRA Part B Hazardous Waste Facility Permits issued by the U.S. Environmental Protection Agency and corresponding state environmental regulatory agencies, or under approved interim status awaiting final issue of such permits. Exide's secondary lead recycling facilities are in the following locations:

Baton Rouge, LA	U.S. EPA I.D. # LAD008184137
Forrest City, MO	U.S. EPA I.D. # MOD030712822
Frisco, TX	U.S. EPA I.D. # TXD006451090
Muncie, IN	U.S. EPA I.D. # IND000717959
Reading, PA	U.S. EPA I.D. # PAD990753089
Vernon, CA	U.S. EPA I.D. # CAD097854541

Lead-acid batteries received at Exide's recycling facilities are shredded or otherwise disassembled, and the lead, casing and acid fractions are separated. The waste sulfuric acid is treated and discharged in an environmentally safe manner under appropriate permits. Shredded polypropylene battery casings are washed, sized, classified and extruded to form polypropylene pellets used to manufacture new battery cases. The lead is recovered in furnaces and is reused for the manufacture of lead-acid batteries or as a raw material in other processes. Exide's "vertically integrated" operations are designed to provide the best possible management option for recycling of your batteries.

Exide Technologies is aware that some companies in the secondary lead recycling business may offer an "environment indemnity" to customers sending spent batteries for recycling. Exide Technologies believes that the Superfund law provides our customers with a superior legal basis for exemption from liability for batteries sent to Exide facilities. That statutory exemption may not apply to spent batteries processed at other companies' facilities.

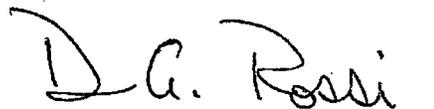
SUPERFUND RECYCLING EQUITY ACT CERTIFICATION

Exide Technologies ("Exide") hereby certifies as follows:

- (i) that spent lead-acid batteries and other lead-bearing materials sent to secondary lead smelters owned and/or operated by Exide are recycled.
- (ii) that spent lead-acid batteries and other lead-bearing materials sent to secondary lead smelters owned and/or operated by Exide are not burned as fuel, or for energy recovery or incinerated; and
- (iii) that the secondary lead smelters owned and/or operated by Exide are in compliance with the substantive (as that term is defined in the Superfund Recycling Equity Act, Pub. L. No. 106-113, Stat. 1501) provisions of any Federal, State or local environmental law or regulation, or compliance order or decree issued pursuant thereto, applicable to the handling, processing, reclamation or other management activities associated with spent lead-acid batteries and other lead-bearing materials.

Please call me if you have any questions at 678-566-9280. You can also reach me on my cell phone at 651-343-9416. Thank you.

Sincerely,



Dean A. Rossi
Vice President, Global
Environment, Health & Safety
Exide Technologies



Date: August 2014
Revision No.: 7B

ATTACHMENT A-2

Hazardous Waste Management Unit Descriptions

**ATTACHMENT A-2
HAZARDOUS WASTE MANAGEMENT UNIT DESCRIPTIONS**

Date: August 2014
Revision No.: 7B
Page No.: 1 of 9

Unit No	Unit Description	Activity Type	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment	Structural Certification	Permit Status
1	Central Container Storage Building	Container Storage Area	Spent lead-acid batteries; lead-bearing plant scrap	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10,641 square feet	Acid resistant epoxy coated, sloped reinforced concrete	99,840 batteries and 210 drums or a total of 99,840 gallons	Not applicable	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Cooling Tower Sump Minimum capacity: 9,984 gallons	Gerald E. Stuth, 6/30/89	Interim Status
2	West Container Storage Building #1	Container Storage Area	Spent lead-acid batteries; lead-bearing plant scrap	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	2,720 square feet	Acid resistant epoxy coated, sloped reinforced concrete	24,960 batteries and 48 drums or a total of 24,960 gallons	Not applicable	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Cooling Tower Sump Minimum capacity: 2,496 gallons	Gerald E. Stuth, 6/30/89	Interim Status
3	West Container Storage Building #2	Container Storage Area	Spent lead-acid batteries; lead-bearing plant scrap	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	1,292 square feet	Acid resistant epoxy coated, sloped reinforced concrete	14,560 batteries and 24 drums or a total of 14,560 gallons	Not applicable	Not applicable	Not applicable	Operational procedures	Independently sloped to collection point, which drains to Cooling Tower Sump Minimum capacity: 1,456 gallons	Gerald E. Stuth, 6/30/89	Interim Status
4	Canopied Container Storage Building	Container Storage Area	Closed Unit	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Closed Unit
5	Battery Dump Bin Sump	Tank	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4'2" x 8'3.5" x 5'7"	Double-walled stainless steel	1,287 gallons	1,287 gallons	Not applicable	Not applicable	None	Double-walled sump with leak detection	See tank certification	Interim Status
6	RMPS Floor Sump	Tank	Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	5'-0" x 8'10.75" x 5'-0"	Double-walled stainless steel	1,463 gallons	1,463 gallons	Not applicable	Not applicable	None	Double-walled sump with leak detection	See tank certification	Interim Status
7	North Mud Tank	Tank	Lead sulfate paste; Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	18'-0" Diameter x 22'-0" Height; 18" freeboard	Stainless steel	39,020 gallons	41,875 gallons	310,000 gallons per day	Desulfurization	Overflow pipe	Desulfurization Area Minimum capacity: 39020 gallons.	See tank certification	Interim Status
8	Center Mud Tank	Tank	Lead sulfate paste; Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	18'-0" Diameter x 22'-0" Height; 18" freeboard	Stainless steel	39,020 gallons	41,875 gallons	310,000 gallons per day	Desulfurization	Overflow pipe	Desulfurization Area Minimum capacity: 39020 gallons.	See tank certification.	Interim Status
9	South Mud Tank	Tank	Lead sulfate paste; Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	18'-0" Diameter x 22'-0" Height; 1'-6" Freeboard	Stainless steel	39,020 gallons	41,875 gallons	310,000 gallons per day	Desulfurization	Overflow pipe	Desulfurization Area Minimum capacity: 39020 gallons.	See tank certification	Interim Status
10	South Acid Storage Tank	Tank	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	13'9" Diameter x 16' 3 3/4" Height; 43.75" Freeboard	Polyethylene	14,055 gallons	18,104 gallons	Not applicable	Not applicable	None	Desulfurization Area Minimum capacity: 39020 gallons.	See tank certification	Interim Status
11	Overflow Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.

ATTACHMENT A-2 (Continued)
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Unit No	Unit Description	Activity Type	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overflow Protection	Secondary Containment	Structural Certification	Permit Status
12 ⁽⁴⁾	Paste Thickening Unit (Santa Maria)	Tank	Lead Sulfate Paste; Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	34' 4 3/8" Length x 8'-2" Width x 12'-10" Height; 1'-2" Freeboard	Stainless steel	21,768 gallons	23954 gal	310,000 gallons per day	Gravity separation	Overflow flume	Raw Material Preparation System Building Minimum capacity: 21768 gallons.	See tank certification.	Interim Status
13	Sink/Float Separator	Tank	Plastic;dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	8'-0" Width x 28'4.5625" Length x 6'3.375" Height; 0'-6" Freeboard	Stainless steel	5,808 gallons	5808 gal	310,000 gallons per day	Gravity separation	Overflow flume	Raw Material Preparation System Building Minimum capacity: 21768 gallons.	See tank certification.	Interim Status
14	Recycle Tank	Tank	dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	9'1" Height x 17'10" Length x 7'4.685" Width; 16" Freeboard	Stainless steel	3,635 gallons	3635 gal	Not applicable	Not applicable	Overflow pipe	Raw Material Preparation System Building Minimum capacity: 21768 gallons.	See tank certification	Interim Status
15	50K Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
16	West Reaction Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
17	East Reaction Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
18	Pump Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
19	Sludge Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
20	Delta Stack Flocculation	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
21	Delta Stack Clarifier	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
22	East Equalization Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
23	West Equalization Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.

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Unit No	Unit Description	Activity Type	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overflow Protection	Secondary Containment	Structural Certification	Permit Status
24	North Oxidation Tank	Tank	Wastewater, Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	16'-0" Diameter x 35'-0" Height; 3'-0" Freeboard	Fiberglass reinforced plastic	48,126 gallons	52,638 gallons	43,200 gallons per day	Oxidation	Overflow pipe	Oxidation Tank Area Minimum capacity: 54290 gallons.	See tank certification	Interim Status
25	South Oxidation Tank	Tank	Wastewater, Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	16'-0" Diameter x 35'-0" Height; 3'-0" Freeboard	Fiberglass reinforced plastic	48,126 gallons	52,638 gallons	43,200 gallons per day	Oxidation	Overflow pipe	Oxidation Tank Area Minimum capacity: 54290 gallons.	See tank certification	Interim Status
26	pH Adjustment Tank #1	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
27	pH Adjustment Tank #2	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
28	pH Adjustment Tank #3	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
29	Process Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
30	Filtrate Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
31	North Flue Dust Slurry Tank	Tank	Lead dust slurry	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	9' x 5' Oblong x 5'2" Tall; 6" freeboard	Double-walled stainless steel . Note: This unit was originally a sump. The sump was reportedly cleaned to remove sediment then filled with concrete. New tanks site on top of filled sump.	1,393 gallons	1,542 gallons	Not applicable	Not applicable	Level gauge	Double-walled tank with leak detection	See tank certification	Interim Status
32	South Flue Dust Slurry Tank	Tank	Lead dust slurry	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	9' x 5' Oblong x 5'2" Tall; 6" freeboard	Double-walled stainless steel .Note: This unit was originally a sump. The sump was reportedly cleaned to remove sediment then filled with concrete. New tanks site on top of filled sump.	1,393 gallons	1,542 gallons	Not applicable	Not applicable	Level gauge	Double-walled tank with leak detection	See tank certification	Interim Status
33	Reverb Furnace Feed Room	Containment Building	Reverb Furnace feed	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	29,479 square feet	Sloped reinforced concrete	4,379 cubic yards	Not applicable	Not applicable	Not applicable	Curbs at doorways	Not applicable - double-lined	Willie T. Grant, 1/15/81. Liner system certified 3/28/00, William Greenbecker, P.E.	Interim Status

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Unit No	Unit Description	Activity Type	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment	Structural Certification	Permit Status
34	Blast Furnace Feed Room	Containment Building	Blast Furnace feed	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	11,250 square feet	Sloped reinforced concrete	1,486.3 cubic yards	Not applicable	Not applicable	Not applicable	Curbs at doorways	Not applicable - no free liquids	Not available.	Interim Status
35	Mobile Equipment Wash Station	Tank	To be closed	NA	NA	2' x 20'8" x 2'; 4' x 4' x 4'	Stainless steel double lined sump	1,097 gallons	1,097 gallons	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	To be closed.
36	Reverb Furnace	Miscellaneous Unit; Treatment	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	19'-0" Width x 39'-5" Length x 12'-9" Height	Refractory brick, exterior support frame	43.37 cubic yards	Not applicable	450 tons per day	Metallurgical reduction	Operational procedures	Smelter Building	Willie T. Grant, 9/10/80	Interim Status
37	Blast Furnace	Miscellaneous Unit; Treatment	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	6'-8" Width x 8'-7" Length x 23'-3" Height	Water jacketed steel	3.94 cubic yards	Not applicable	250 tons per day	Metallurgical reduction	Operational procedures	Smelter Building	Willie T. Grant, 9/10/80	Interim Status
38	WWTP Area Sump	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
39	WWTP Filter Press Sump	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
40	RMPS Hammer Mill	Miscellaneous Unit; Treatment	Spent lead-acid batteries	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	89.5" Width x 66.5" Depth x 39" Height	Stainless steel	Not applicable	Not applicable	53 tons per day	Crushing	Not applicable	Raw Material Preparation System Building Minimum capacity: 21768 gallons	Not applicable	Interim Status
41	Waste Acid Circulation Tank	Tank	Sodium sulfate solution; dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' Width x 4' Depth x 3'6" to 6' Height	Stainless steel	419 gallons	419 gallons	1,440 gallons per day	Separation	None	Raw Material Preparation System Building Minimum capacity: 21768 gallons	See tank certification.	Interim Status
42	East Elutriation Column	Miscellaneous Unit; Treatment	Dilute sulfuric acid; plastic; rubber; lead metal	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	21.2" Diameter x 68.5" Length; Taper to 26.5@ Diameter x 18" Length; 26.5" Diameter x 25.5" Length	Stainless steel	Not applicable	Not applicable	310,000 gallons per day	Gravity separation	Not applicable	Raw Material Preparation System Building Minimum capacity: 21768 gallons	Not applicable	Interim Status
43	West Elutriation Column	Miscellaneous Unit; Treatment	Dilute sulfuric acid; plastic; rubber; lead metal	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	21.2" Diameter x 68.5" Length; Taper to 26.5@ Diameter x 18" Length; 26.5" Diameter x 25.5" Length	Stainless steel	Not applicable	Not applicable	310,000 gallons per day	Gravity separation	Not applicable	Raw Material Preparation System Building Minimum capacity: 21768 gallons	Not applicable	Interim Status
44	WWTP Filter Press	Miscellaneous Unit; Treatment	Sodium sulfate solution; ferric hydroxide; wastewater sludge	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	24'-1" Width x 6'-2" Depth x 5'-10" Height	Cast iron coated with acid-resistant paint	Not applicable	Not applicable	310,000 gallons per day	Dewatering	Not applicable	Raw Material Preparation System Building Minimum capacity: 21768 gallons	Not applicable	Interim Status
45	RMPS Filter Press Unit B	Miscellaneous Unit; Treatment	Lead carbonate paste; Lead oxide; lead sulfate; lead carbonate; sodium sulfate; sodium carbonate	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	- 39.1' long x 9.1" wide x 9.7' high	Carbon steel coated with acid-resistant epoxy	Not applicable	Not applicable	310,000 gallons per day	Dewatering	Not applicable	Raw Material Preparation System Building Minimum Capacity: 21768 gallons	Not applicable	Interim Status

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Unit No	Unit Description	Activity Type	Content	Waste Codes	Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overflow Protection	Secondary Containment	Structural Certification	Permit Status	
46	Pump Sump	Tank	Storm water; facility wash-down water	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	5' wide x 9' long x 12'11.5" high	Double-walled stainless steel	3,842 gallons	3,842 gallons	Not applicable	Not applicable	None	Double-walled sump	See tank certification	Interim Status
47	Settling Tank No. 1	Tank	Storm water; facility wash-down water	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10'-0" Diameter x 15'-5" Height; 6" freeboard	Polyethylene	8,763 gallons	9,057 gallons	1,600 gpm	Not applicable	Overflow pipe	Drop-out System Area minimum capacity: 8763 gallons.	See tank certification.	Interim Status
48	Settling Tank No. 2	Tank	Storm water; facility wash-down water	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10'-0" Diameter x 15'-5" Height; 6" freeboard	Polyethylene	8,763 gallons	9,057 gallons	1,600 gpm	Not applicable	Overflow pipe	Drop-out System Area minimum capacity: 8763 gallons.	See tank certification	Interim Status
49	Settling Tank No. 3	Tank	Storm water; facility wash-down water	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10'-0" Diameter x 15'-5" Height; 6" freeboard	Polyethylene	8,763 gallons	9,057 gallons	1,600 gpm	Not applicable	Overflow pipe	Drop-out System Area minimum capacity: 8763 gallons.	See tank certification	Interim Status
50	Settling Tank No. 4	Tank	Storm water; facility wash-down water	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10'-0" Diameter x 15'-5" Height; 6" freeboard	Polyethylene	8,763 gallons	9,057 gallons	1,600 gpm	Not applicable	Overflow pipe	Drop-out System Area minimum capacity: 8763 gallons.	See tank certification	Interim Status
51	Truck Wash Sump	Tank	Wash water with varying lead concentrations	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	2' x 4' x 2'7" deep	Epoxy coated concrete sump	154 gallons	154 gallons	Not applicable	Not applicable	None	Not applicable - sump	See tank certification	Interim Status
52	Equalization Tank 1	Tank	Sodium sulfate solution; storm water; gray water; wash-down water; sand filter backwash	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	21'-6.5" Diameter x 24'-1.5" height; 18" freeboard	Stainless steel	61,675 gallons	65,764 gallons	Not applicable	Not applicable	Overflow pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
53	Equalization Tank 2	Tank	Sodium sulfate solution; storm water; gray water; wash-down water; sand filter backwash	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	21'-6.5" Diameter x 24'-2.125" height; 18" freeboard	Steel	61,817 gallons	65,906 gallons	Not applicable	Not applicable	Overflow pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification.	Interim Status
54	Sludge Holding Tank	Tank	Clarified Sludge	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10' Diameter x 17' height; 12" freeboard	Polyethylene	6,293 gallons	6,880 gallons	Not applicable	Not applicable	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
55	Flocculation Tank	Tank	Wastewater; Sodium sulfate solution; polymers	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	7'0.38" width x 9'6.56" length x 8'3.5" height; 1' freeboard	Stainless steel	3,661 gallons	4,163 gallons	310,000 gallons per day	Flocculation	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
56	WWTP Clarifier	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	20'1.5" width x 9'-5.5" length x 11'-6" height; 9" freeboard	Stainless steel	8,000 gallons	8,000 gallons	310,000 gallons per day	Clarification (separation)	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
57	Reaction Tank 1	Tank	Wastewater; Sodium sulfate solution; ferric hydroxide	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	12' diameter x 15' height; 4.5" freeboard	Polyethylene	12,372 gallons	12,690 gallons	310,000 gallons per day	pH adjustment	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification.	Interim Status

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Unit No	Unit Description	Activity Type	Content	Waste Codes		Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment	Structural Certification	Permit Status
58	Reaction Tank 2	Tank	Wastewater; Sodium sulfate solution, ferric hydroxide	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	12' diameter x 15' height; 5.5" freeboard	Polyethylene	12,302 gallons	12,690 gallons	310,000 gallons per day	pH adjustment	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
59	Reaction Tank 3	Tank	Wastewater; Sodium sulfate solution, ferric hydroxide	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	12' diameter x 15' height; 6" freeboard	Polyethylene	12,267 gallons	12,690 gallons	310,000 gallons per day	pH adjustment	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity 80853 gallons.	See tank certification	Interim Status
60	Reaction Tank 4	Tank	Wastewater; Sodium sulfate solution, ferric hydroxide	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	12' diameter x 15' height; 9" freeboard	Polyethylene	12,055 gallons	12,690 gallons	310,000 gallons per day	pH adjustment	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
61	Reaction Tank 5	Tank	Wastewater; Sodium sulfate solution, ferric hydroxide	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	12' diameter x 15' height; 12" freeboard	Polyethylene	11,844 gallons	12,690 gallons	310,000 gallons per day	pH adjustment	Discharge pipe	Wastewater Treatment Plant System Area Minimum capacity: 80853 gallons.	See tank certification	Interim Status
62	WWTP Sump	Tank	Wash-down water; stormwater; sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' width x 8'6" length x 2'10.75" height	Double-walled stainless steel	662 gallons	662 gallons	Not applicable	Not applicable	None	Not applicable - double-walled sump	See tank certification	Interim Status
63	WWTP Acid Storage Tank	Tank	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	12' diameter x 16' 7 3/4" height; 1'9.75" freeboard	Polyethylene	12,548 gallons	14,081 gallons	Not applicable	Not applicable	None	Wastewater Treatment Plant Replacement Area Minimum capacity: 80853 gallons.	See tank certification.	Interim Status
64	North Acid Storage Tank 2	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
65	North Acid Storage Tank	Tank	Tank decontaminated and demolished.	NA	NA	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Preliminary Closure Report submitted. Supplemental Report will be submitted following sampling.
66	Acid Overflow Tank A	Tank	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	7' 11" diameter x 8' 9" height; 6" freeboard	Polyethylene	2,584 gallons	2,768 gallons	Not applicable	Not applicable	Overflow pipe	Raw Material Preparation System Building Minimum Capacity: 21768 gallons.	See tank certification.	Interim Status
67	Acid Overflow Tank B	Tank	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	8'-1.5" diameter x 9'-1.0" height; 6" freeboard	Polyethylene	2,850 gallons	3,044 gallons	Polyethylene	Not applicable	Overflow pipe	Desulfurization Area Minimum capacity: 39020 gallons.	See tank certification	Interim Status
68	Clarifying Acid Filter Press	Miscellaneous Unit; Treatment	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	6' Wide x 31" Depth x 31" Height	Cast iron coated with acid-resistant paint.	Not Applicable	Not applicable	144,000 gallons per day	Not applicable	Level monitor	Raw Material Preparation System Building. Minimum capacity: 21768 gallons	Not applicable	Interim Status
69	Rotary Kiln	Miscellaneous Unit; Treatment	Furnace Feed	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	6' diameter x 35 ft length	Grade 70 steel	N/A	Not applicable	720 tons/day	N/A	N/A	Not applicable, enclosed unit.	Not applicable	Interim Status
70	Oscillating Pan Feeder	Miscellaneous Unit; Conveying	Spent lead-acid batteries; lead-bearing plant scrap	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	22' long x 21' wide x 10' deep	Stainless steel	50 tons	Not applicable	N/A	N/A	N/A	Raw Material Preparation System Building Minimum capacity: 21768 gallons.	Not applicable	Interim Status

ATTACHMENT A-2 (Continued)
HAZARDOUS WASTE MANAGEMENT UNIT DESCRIPTIONS

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Unit No	Unit Description	Activity Type	Content	Waste Codes	Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment	Structural Certification	Permit Status	
71	#1 Sand Filter	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' diameter x 5' height	Stainless steel	470 gallons	470 gallons	600 gpm	Filtration	N/A Closed tank	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
72	#2 Sand Filter	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' diameter x 5' height	Stainless steel	470 gallons	470 gallons	600 gpm	Filtration	N/A Closed tank	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
73	#3 Sand Filter	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' diameter x 5' height	Stainless steel	470 gallons	470 gallons	600 gpm	Filtration	N/A Closed tank	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
74	#4 Sand Filter	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' diameter x 5' height	Stainless steel	470 gallons	470 gallons	600 gpm	Filtration	N/A Closed tank	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
75	#5 Sand Filter	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	4' diameter x 5' height	Stainless steel	470 gallons	470 gallons	600 gpm	Filtration	N/A Closed tank	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
76	WWTP Recycled Acid Tank	Tank	24% sulfuric acid solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10' diameter x 14'3" height; 30" freeboard	Polyethylene	6,903 gallons	8,372 gallons	310,000 gallons per day	Not Applicable	None	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
77	Sand Filter Feed Tank	Tank	Wastewater; Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	10' diameter by 10'8" height; 30" freeboard	Polyethylene	4,797 gallon	6,266 gallons	310,000 gallons per day	Not applicable	None	Wastewater Treatment Plant Replacement Area. Minimum capacity: 80853 gallons.	See tank certification	Interim Status
78	Stormwater Surface Impoundment	Surface Impoundment	Stormwater	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	280 feet by 105 feet; 150 feet by 50 feet	HDPE, concrete	2,348,006 gallons	Not applicable	Not applicable	Not applicable	N/A	Leak detection	Application pending	Application pending
79	Surge Tank (Proposed)	Tank	Wastewater, iron oxide, lead carbonate	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	9 ft diameter by 11 ft 11 inches height (outer dimensions)	HDPE	5,670 gallons	5,670 gallons	250,000 gallons per day	Not applicable	Overflow Pipe	Raw Material Preparation System Building. Minimum capacity: 21768 gallons	Tank certification to be prepared following installation.	Application Pending
80	Plastic Centrifuge #1	Miscellaneous Unit	Plastic; dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	8 ft 4 inch by 6 ft 4 inch by 11 ft 3 inch height	304 stainless steel	Not applicable	Not applicable	8,000 lb/hr	Separation	Not applicable	Not applicable	Not applicable	Application pending
81	Plastic Centrifuge #2 (Proposed)	Miscellaneous Unit	Plastic; dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	8 ft 4 inch by 6 ft 4 inch by 11 ft 3 inch height	304 stainless steel	Not applicable	Not applicable	6,000 to 7,000 lb/hr	Separation	Not applicable	Not applicable	Not applicable	Application Pending
82	RMPS Acid Storage Tank (Proposed)	Tank	dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	TBD	TBD	1,400 gallons (approximate)	1,400 gallons (approximate)	TBD	Not applicable	TBD	Raw Material Preparation System Building Lower Level. Minimum capacity: 1,400 gallons	Tank certification to be prepared following installation.	Proposed
83	Shredder (Proposed)	Miscellaneous Unit	Spent lead-acid batteries; lead-bearing plant scrap	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	TBD	TBD	Not applicable	Not applicable	TBD	Not applicable	Not applicable	Not applicable	Not applicable	Proposed

ATTACHMENT A-2 (Continued)
HAZARDOUS WASTE MANAGEMENT UNIT DESCRIPTIONS

Date: August 2014
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Unit No	Unit Description	Activity Type	Content	Waste Codes	Tank/ Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment	Structural Certification	Permit Status
84	Vibrating Screen (Proposed)	Miscellaneous Unit	Spent lead-acid batteries; dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	TBD	TBD	Not applicable	Not applicable	TBD	Not applicable	Not applicable	Not applicable	Proposed
85	Industrial Cell Extraction (Proposed)	Miscellaneous Unit	Spent lead-acid batteries	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	TBD	TBD	Not applicable	Not applicable	TBD	Not applicable	Not applicable	Not applicable	Proposed
86	Industrial Cell Shredder (Proposed)	Miscellaneous Unit	Spent lead-acid batteries; dilute sulfuric acid	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	TBD	Stainless Steel	Not applicable	Not applicable	10 ton/hr	Not applicable	Not applicable	Not applicable	Proposed
87	West Yard Truck Wash	Tank	Wash water with varying lead concentrations	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	41 ft 6 inches by 14 ft 6 inches by 2 ft 3 inches deep; 16 inch by 16 inch by 16 inch	Concrete	10,145 gallons	10,145 gallons	Not applicable	Not applicable	Not applicable	Tank certification to be prepared following upgrades	Application pending
88	Neptune Scrubber Tank (Proposed)	Tank	Wastewater, Sodium sulfate solution	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	TBD	TBD	2,000 gallons (assumed)	2,000 gallons (assumed)	Not applicable	Not applicable	Not applicable	Tank certification to be prepared following installation	Proposed
89	Receiving Kettle A	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Application pending
90	Receiving Kettle B	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Application pending
91	Receiving Kettle E	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Application pending
92	Receiving Kettle F	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Application pending
93	Receiving Kettle G	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Application pending
94	Refining Kettle 1	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Application pending
95	Refining Kettle 2	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Application pending
96	Refining Kettle 3	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Application pending

ATTACHMENT A-2 (Continued)
HAZARDOUS WASTE MANAGEMENT UNIT DESCRIPTIONS

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Unit No	Unit Description	Activity Type	Content	Waste Codes	Tank/Unit Size	Tank/Unit Material	Maximum Inventory ^(1,2)	Gross Capacity ^(1,3)	Treatment Rate	Treatment Type	Overfill Protection	Secondary Containment	Structural Certification	Permit Status	
97	Refining Kettle 4	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Not applicable	Application pending
98	Refining Kettle 5	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	80 to 90 tons per day	Refining	Operational procedures	Smelter Building	Not applicable	Application pending
99	Refining Kettle 6	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Not applicable	Application pending
100	Refining Kettle 7	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Not applicable	Application pending
101	Refining Kettle 8	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Not applicable	Application pending
102	Refining Kettle 9	Miscellaneous Unit	Lead; lead alloys	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	105" dia, 86.5" height (inner dimension); 108" dia, 88" height (outer dimension)	Steel	100 tons	Not Applicable	240 to 300 tons per day	Refining	Operational procedures	Smelter Building	Not applicable	Application pending
103	Trailer Staging Area	Container Storage Area	Plastic	132, 181, 721, 722, 723, 724, 791, 792, 171, 172	D002, D004, D005, D006, D007, D008, D010, K069	21,358 square feet	Asphalt	1,332 cy	Not Applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Application pending

Notes:

1. Gross capacity and maximum inventory for tanks calculated from tank dimensions; Tank dimensions from Tank Assessment Report.
2. Maximum Inventory for tanks is Gross Capacity minus freeboard calculated from tank dimensions except for units 13, 14, and 56.
3. Gross volume for Units 13, 14, and 56 were obtained from previous application due to irregular shape of tanks. Maximum inventory assumed same as gross inventory.
4. Tank 12 is in the process of replacement. Dimensions and volume may change.



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ATTACHMENT A-3

Solid Waste Management Units Summary



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SOLID WASTE MANAGEMENT UNITS (SWMUs)

The following is a list of the Solid Waste Management Units (SWMUs) at the Vernon facility. The location of each SWMU is shown on Attachment A3-1 through A3-5. Specific details of each SWMU is described in Section 14.0 of the Part B Permit Application.

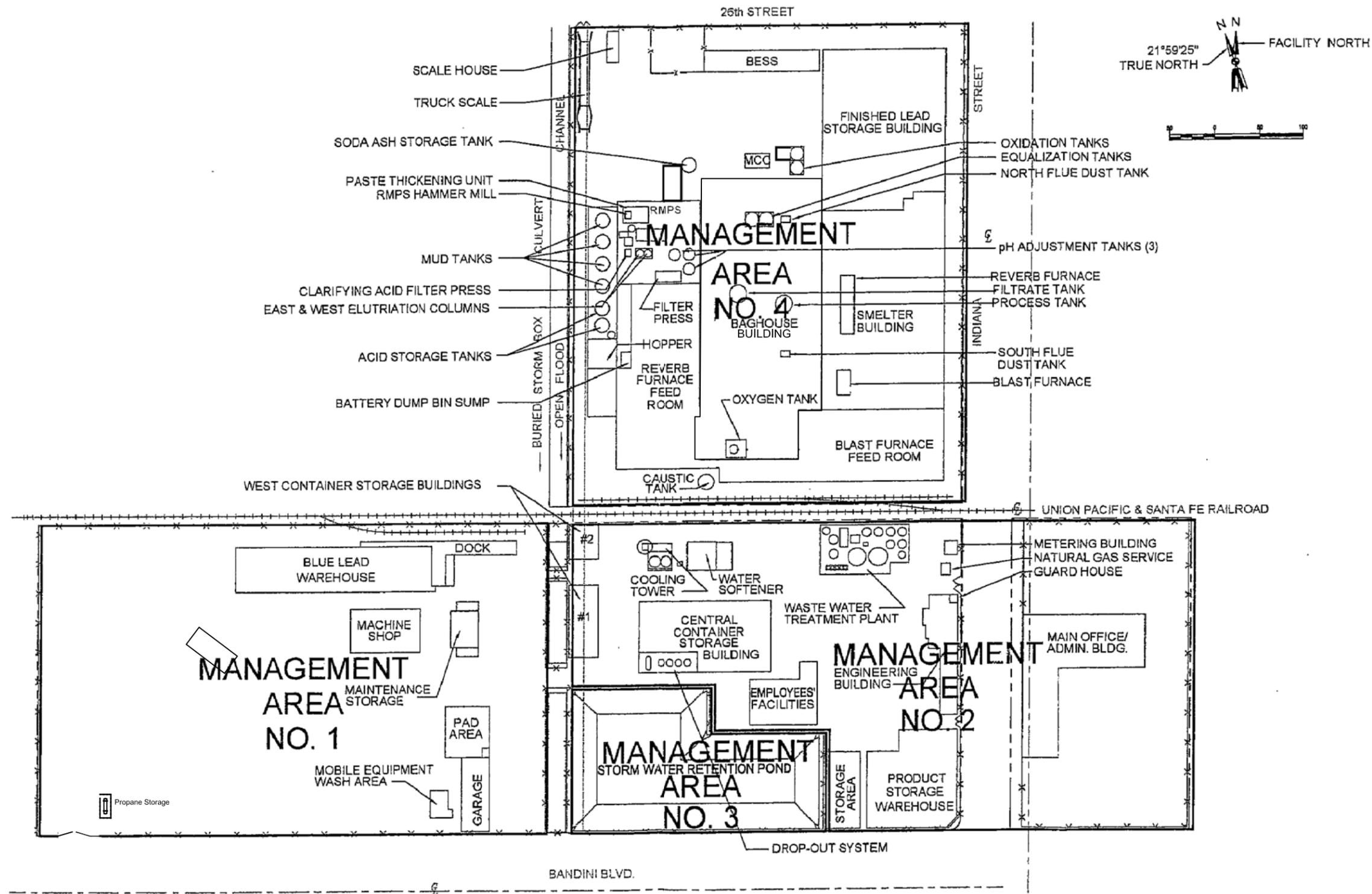
List of SWMUs

Earthen Disposal Pit (A-1)
Acid Collection and Neutralization Tank (A-2)
Battery Storage Area (A-3)
Effluent Treatment Area (A-4)
Wastewater Treatment Sludge Collection (A-5)
Earthen Acid Dump Pit (A-6)
Slag Storage Pile (A-7)
Crushed Battery Case Storage Area (A-8)
Rubber Chip Storage Area (A-9)
Old Battery Separation Building (A-10)
Old Mixed Metals Extrusion Building (A-11)
Zinc Alloy Operations Area (A-12)
Metal Warehouse (A-13)
Smelting Pots (A-14)
Lead Oxide Building and Warehouse (A-15)
Main Smelting Building (A-16)
Blast Furnace Flue Bins (A-17)
Main Smelting Building Baghouses (A-18)
Crushed Battery Storage and Crushed Case Elevator (A-19)
Radiation Lab and North Radiation Yard (A-20)
Acid Tanks (A-21)
Sumps (A-22)
Mud and Dross Bins (A-23)
Storm Water Retention Pond (A-24)
Truck Wash Area (A-25)
Truck Dumper (A-26)
Battery Dump Feed Hopper and Oscillating Conveyor (A-27)
Polypropylene Loading Dock (A-28)
Crushed Drum Storage Piles (A-29)
Battery Storage Areas (A-30)
Reverb Furnace Feed Room (A-31)
Acid Tank and Battery Dump Bin Sump (A-32)
Hammer Mill Conical Collector (A-33)
Mud Tanks (A-34)
Baghouse Dust Slurry Sumps (A-35)



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Reverberatory and Soft Lead Baghouses (A-36)
Blast Furnace Feed Room (A-37)
Special Alloy Kettles and Lead Casting Machinery (A-38)
Underground Fuel Tanks (A-39)
Solid Soda Ash Product Storage Tanks (A-40)
Aluminum Smelting Building/Aluminum Sweat Building/Lead Shot Department (M-1)
North Yard Storage Piles (M-2)
Battery Breaking (M-3)
Tin Dross Smelting Building (M-4)
Copper Sulfate Building (M-5)
Diesel Underground Fuel Tanks and Oil Pump House (M-6)
Covered Bins Next to Copper Sulfate Building (M-8)
Old Fill Area (M-9)
Blue Lead Warehouse (M-10)
Machine Shop and Maintenance Storage (M-11)
Gasoline Underground Fuel Tanks (M-12)
Storage Shed (M-13)
Battery Loading Dock (M-14)
Acid Pit (M-15)
Garage (M-16)
New Acid Neutralization System (M-17)
Rubber Chip Storage (M-18)
Battery Breaking (M-19)
Railspur Between Southeast Yard and Northeast Yard (M-20)
Battery Breaking (M-21)
Battery Storage (M-22)
Railspur/Battery Off Loading (M-23)
Classifier (M-24)
Drainage System (M-25)
Classifier (M-26)
Storage Piles (M-27)
Bins Along Drainage Channel (M-28)
Pond in Center of South Yard (M-29)



NOTE:

1. ADAPTED FROM MACTEC ATTACHMENT D1 FROM PART B APPLICATION, JANUARY 2006.



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DESIGNATED WASTE MANAGEMENT AREAS

Exide Technologies
Vernon, California

SCALE: N.T.S.

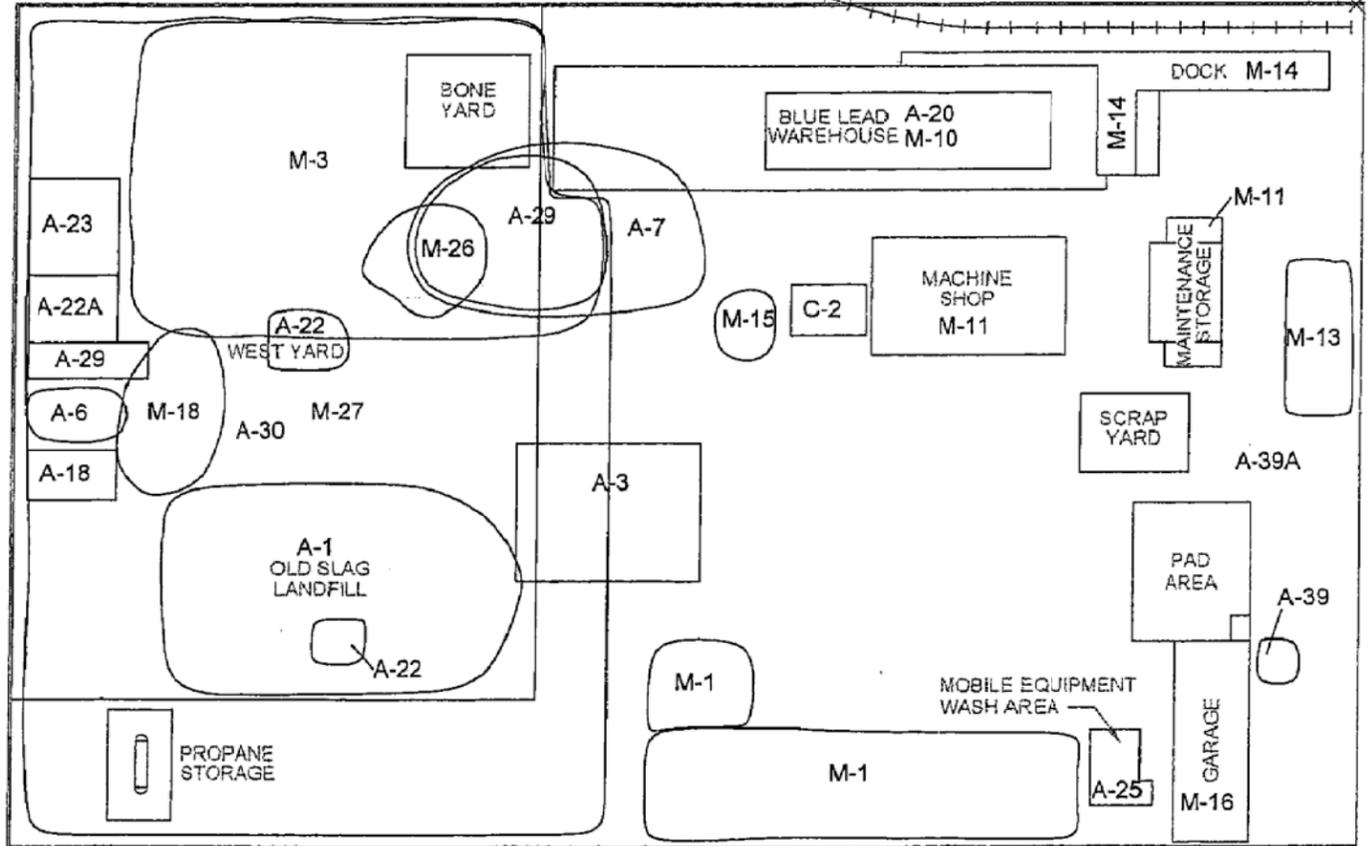
PROJECT NUMBER: 2013-2993-01

DATE: 8/4/14

ATTACHMENT

A3-1

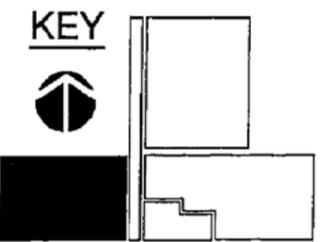
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MANAGEMENT AREA NO. 4
SEE ATTACHMENT
A3-5

MANAGEMENT AREA NO. 2
SEE ATTACHMENT
A3-3

MANAGEMENT AREA NO. 3
SEE ATTACHMENT
A3-4

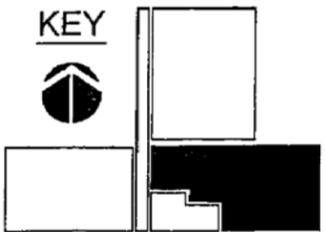
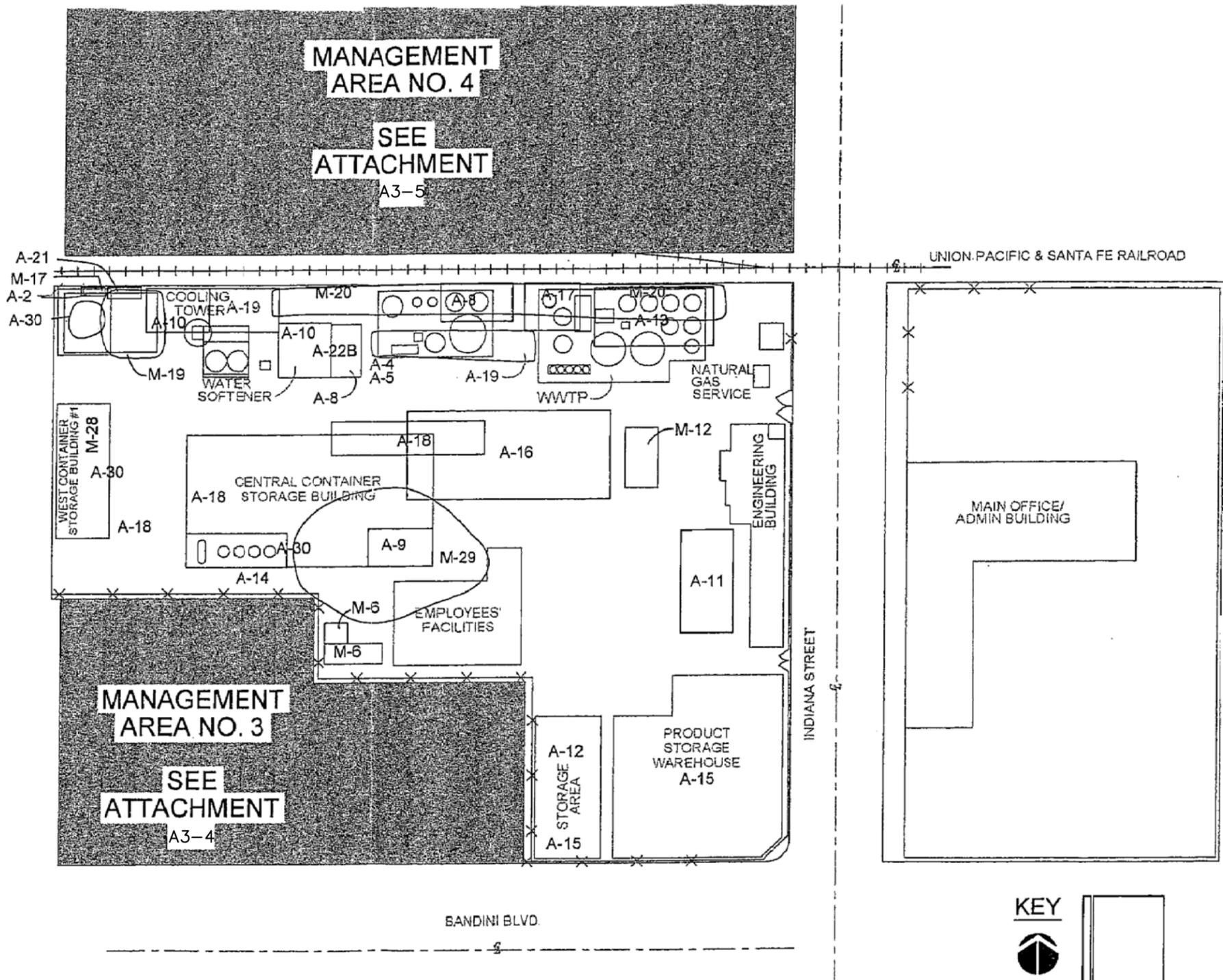


BANDINI BLVD.

NOTE:
1. ADAPTED FROM LAKE ENGINEERING ATTACHMENT D2 FROM PART B APPLICATION, MAY 2002.

<p>ADVANCED Geoservices Engineering for the Environment. Planning for People.™</p> <p>1055 ANDREW DRIVE, SUITE A, WEST CHESTER PA, 19380 tel 610.840.9100 fax 610.840.9199 www.advancedgeoservices.com</p>		<p>MANAGEMENT AREA NO.1 WEST YARD</p> <p>Exide Technologies Vernon, California</p>	
		<p>SCALE: N.T.S.</p> <p>PROJECT NUMBER: 2013-2993-01</p> <p>DATE: 8/4/14</p>	<p>ATTACHMENT</p> <p>A3-2</p>

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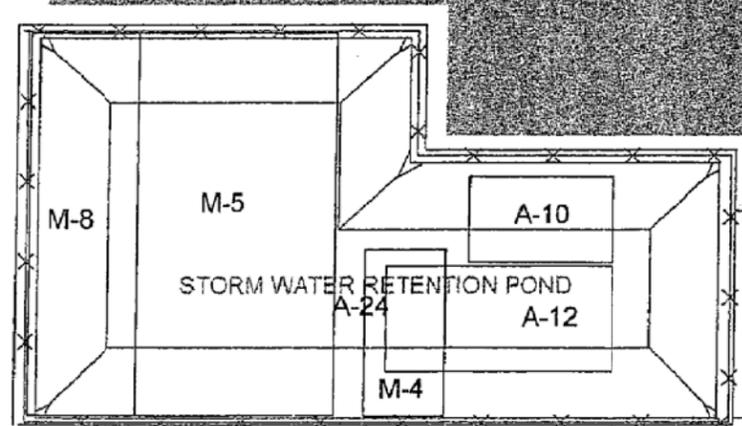
NOTE:
1. ADAPTED FROM LAKE ENGINEERING ATTACHMENT D3 FROM PART B APPLICATION, MAY 2002.

<p>ADVANCED Geoservices Engineering for the Environment. Planning for People.™</p> <p>1055 ANDREW DRIVE, SUITE A, WEST CHESTER PA, 19380 tel 610.840.9100 fax 610.840.9199 www.advancedgeoservices.com</p>		<p>MANAGEMENT AREA NO.2 SOUTH YARD</p> <p>Exide Technologies Vernon, California</p>	
		<p>SCALE: N.T.S.</p> <p>PROJECT NUMBER: 2013-2993-01</p> <p>DATE: 8/4/14</p>	<p>ATTACHMENT</p> <p>A3-3</p>

MANAGEMENT AREA NO. 4
SEE ATTACHMENT A3-5

MANAGEMENT AREA NO. 1
SEE ATTACHMENT A3-2

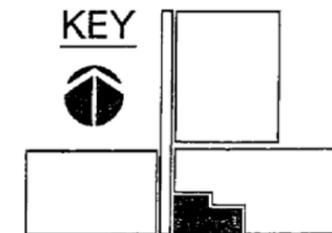
MANAGEMENT AREA NO. 2
SEE ATTACHMENT A3-3



BANDINI BLVD.



SCALE: 1"=100'



NOTE:
1. ADAPTED FROM LAKE ENGINEERING ATTACHMENT D4 FROM PART B APPLICATION, MAY 2002.



Engineering for the Environment. Planning for People.™

1055 ANDREW DRIVE, SUITE A, WEST CHESTER PA, 19380
tel 610.840.9100 fax 610.840.9199 www.advancedgeoservices.com

MANAGEMENT AREA NO. 3
RETENTION POND
Exide Technologies
Vernon, California

SCALE: N.T.S.

PROJECT NUMBER: 2013-2993-01

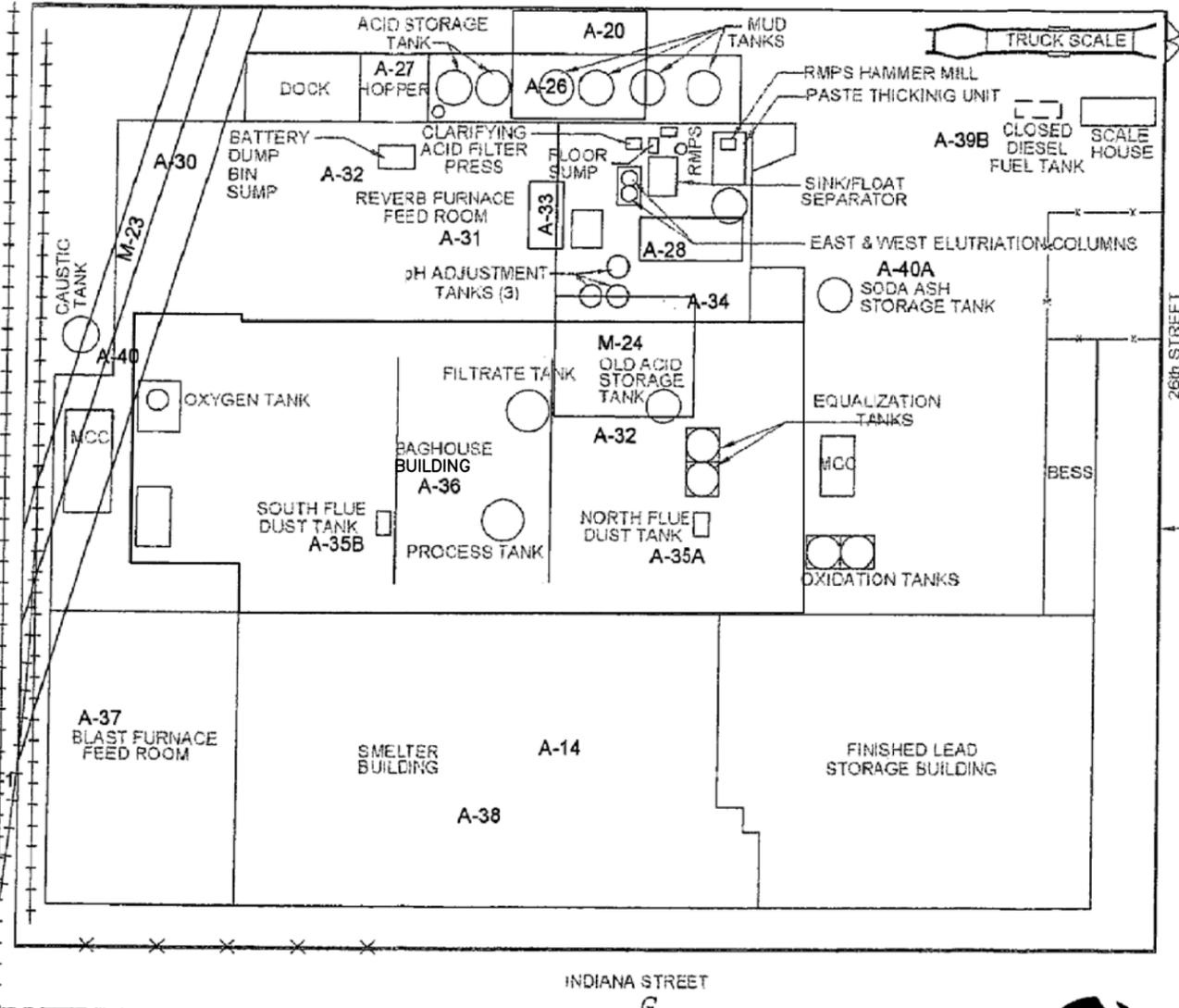
DATE: 8/4/14

ATTACHMENT

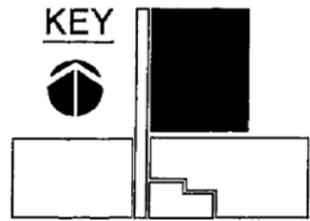
A3-4

**MANAGEMENT
AREA NO. 1
SEE ATTACHMENT A3-2**

**MANAGEMENT
AREA NO. 2
SEE
ATTACHMENT
A3-3**



M-25
M-21
M-22
M-2



NOTE:
1. ADAPTED FROM LAKE ENGINEERING ATTACHMENT D5 FROM PART B APPLICATION, MAY 2002.

**ADVANCED
GeoServices**
Engineering for the Environment. Planning for People.™
1055 ANDREW DRIVE, SUITE A, WEST CHESTER PA, 19380
tel 610.840.9100 fax 610.840.9199 www.advancedgeoservices.com

MANAGEMENT AREA NO.4 NORTH YARD		ATTACHMENT A3-5
Exide Technologies Vernon, California		
SCALE: N.T.S.		
PROJECT NUMBER: 2013-2993-01		
DATE: 8/4/14		

F:\Projects\2013\20132993 - Exide Vernon Permitting Assistance\Cad\2013-2993-07B\2013-2993-01-10.dwg



Date: August 2014
Revision No.: 7B

ATTACHMENT A-4

Certification

Signature and Certification

As with reports in RCRA Permit Applications, submittal of this information must contain the following certification and signature by a principal executive officer, of at least the level of Vice President or by a duly authorized representative of that person:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquire of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Signature

John Hogarth, Plant Manager
Name and Title (Typed)

July 29, 2014.
Date



Date: August 2014
Revision No.: 7B

ATTACHMENT A-5

Property Owner and Company Information



State of California
Secretary of State

I, BRUCE McPHERSON, Secretary of State of the State of California, hereby certify:

That the attached transcript of 8 page(s) was prepared by and in this office from the record on file, of which it purports to be a copy, and that it is full, true and correct.



IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

MAR 15 2006

A handwritten signature in cursive script that reads "Bruce McPherson".

BRUCE McPHERSON
Secretary of State

52022

FILED

In the office of the Secretary of State of the State of California

JUN 13 1967

FRANK W. JORDAN, Secretary of State

Frank W. Jordan
Deputy

STATEMENT AND DESIGNATION BY FOREIGN CORPORATION

ESB Incorporated

(Name of Corporation)

a corporation organized and existing under the laws of Delaware

_____ makes the following
(Name of place or state of incorporation)
statements and designation:

1. The location and address of its main office is 2 Penn Center Plaza, Philadelphia,
Pennsylvania
(Insert complete address of principal business office wherever located)

2. The location and address of its principal office in the State of California is _____
5700 E. Olympic Blvd., Los Angeles, California
(Insert complete address of principal business office in California)

3. The specific business it proposes to transact in the State of California is:
Manufacture and sale of various types of electric batteries and component
parts, hard rubber and plastic products, flashlights and flashlight
batteries, safety helmets, goggles and sunglasses.

4. (a) C T CORPORATION SYSTEM, a corporation
(Name of corporate agent)
organized and existing under the laws of DELAWARE
is designated as agent upon whom process directed to the said ESB Incorporated

(Insert name of corporation making statement)
may be served within the State of California, in the manner provided by law. (b) The name of the city,
town or village wherein said corporate agent has an office, as set forth in the certificate filed by said
corporate agent pursuant to Section 6405.5 or 6403.6, California Corporations Code, at which the
said ESB Incorporated
(Insert name of corporation making statement)

_____ may be served in
San Francisco

3. The said ESB Incorporated
(Name of corporation making statement)

herby irrevocably consents to service of process directed to it upon the agent designated above, and to service of process on the Secretary of State of California if the agent so designated or the agent's successor is no longer authorized to act or cannot be found at the address given.

WEB PRODUCTIONS

ESB Incorporated
(Name of Corporation)

By William Harris
(Title) Secretary

REPRODUCED FROM ORIGINAL DOCUMENTS OF THE SECRETARY OF STATE OF CALIFORNIA

INSTRUCTIONS:

1. This Statement and Designation must be filed in *duplicates*.
2. This statement must be signed by the president, a vice president, the secretary, an assistant secretary, or the treasurer of the corporation.
3. There must be annexed to this statement a certificate by the public officer of the state or country having custody of the original articles or certificate of incorporation or of the act creating the corporation, or by a public officer authorized by the laws of such state or country to make such certificate, to the effect that the corporation making the statement is an existing corporation in good standing in the state or country of its incorporation.
4. If the corporation change its name or if there be any change in any of the statements made in this statement, then the corporation must file an Amended Statement and Designation, a form of which may be obtained from the Secretary of State.

State of Delaware



Office of Secretary of State

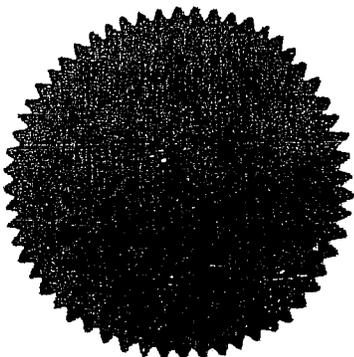
J. Elisha C. Dukes, Secretary of State of the State of Delaware,
do hereby certify

that the Certificate of Incorporation of the
"ESB INCORPORATED", was received and filed in this office the
twenty-third day of November, A.D. 1966, at 10 o'clock P.M.;

And I do hereby further certify that the aforesaid Corporation
is duly incorporated under the laws of the State of Delaware and is
in good standing and has a legal corporate existence so far as the
records of this office show and is duly authorized to transact
business.

In Testimony Whereof, I have hereunto set my hand

and official seal at Dover this fifth day of
May in the year of our Lord one thousand nine
hundred and sixty-seven.



J. Elisha C. Dukes

Secretary of State

W. L. Proun

Asst. Secretary of State

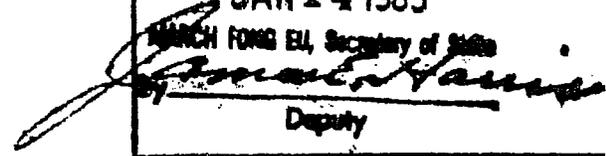
528222

A292779

FILED
In the office of the Secretary of State
of the State of California

JAN 14 1985

HANCH FONG EL, Secretary of State



Deputy

Amended

Statement and Designation by Foreign Corporation

EXIDE CORPORATION, a corporation
organized and existing under the laws of Delaware
, and which is presently qualified for the
transaction of intrastate business in the State of California, makes the following statements and/or
designation:

1. That the name of the corporation has been changed to that hereinabove set forth and that the name
relinquished at the time of such change was ESB INCORPORATED

2. That the location and address of its principal executive office has been changed and the new location
and address of its principal executive office is No change

(Insert complete address of principal executive office wherever located—Do not use post office box)

3. That the location and address of its principal office in the State of California has been changed to
No change

(Insert complete address of principal office in California—Do not use post office box)

4. The address of the individual agent designated for the service of process in the State of California has
been changed to No change

5. (Use this paragraph if the new process agent designated hereby is a natural person.)

_____, a natural person residing in
the State of California, whose complete business residence address is _____

(Do not use post office box)

is hereby designated as its new agent upon whom process directed to the corporation may be served within the State of California, in the manner provided by law.

(Note: Either the business address or the residence address must be given. Indicate which by check mark in proper box.)

6. (Use this paragraph if the new process agent designated hereby is a corporation. See instructions.)

The name of its new agent upon whom process directed to the undersigned may be served within the State of California is _____

A certificate in compliance with Section 1505 of the California Corporations Code has been filed by said corporate agent.

EXIDE CORPORATION

(Name of Corporation)

By



(Title)

T. P. Callahan, President

INSTRUCTIONS

1. This form is for use by a foreign corporation. Included in the definition "foreign corporation" is a "foreign association" which is defined as "a business association organized as a trust under the laws of a foreign jurisdiction."

2. Use only whichever of the foregoing paragraphs of this Amended Statement are applicable.

3. If this Amended Statement shows a change of corporate name, there must be attached to this Amended Statement a certificate of the public officer having custody of the original corporation documents in the state or place of incorporation to the effect that such change of name was made in accordance with the laws of the state or place of incorporation. In the case of a change of name by foreign association there must be attached to this amended statement an officers' certificate stating that such change of name was made in accordance with its declaration of trust.

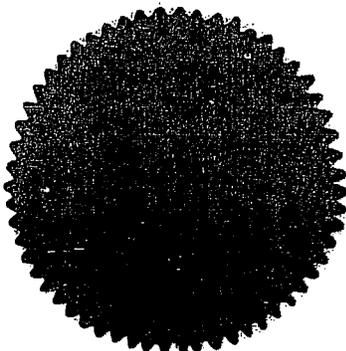


State
of
DELAWARE

Office of SECRETARY OF STATE

I, Glenn C. Kenton Secretary of State of the State of Delaware,
do hereby certify that the "ESB Incorporated", filed a Certificate of Amendment,
changing its corporate title to "EXIDE CORPORATION", on the twenty-fourth day of
December, A.D. 1980, at 10 o'clock A.M.

In Testimony Whereof, *I have hereunto set my hand*
and official seal at Dover this eleventh *day*
of January *in the year of our Lord*
one thousand nine hundred and eighty-five.



Glenn C. Kenton

Glenn C. Kenton, Secretary of State

A0571367

528222

FILED 8
in the office of the Secretary of State
of the State of California

SEP 5 2001

Bill Jones
BILL JONES, Secretary of State

**AMENDED STATEMENT BY
FOREIGN CORPORATION**

Exide Technologies

(Name of Corporation)

_____, a corporation organized
and existing under the laws of Delaware, and which is presently
(State or Place of Incorporation)

qualified for the transaction of intrastate business in the State of California, makes the
following statement:

That the name of the corporation has been changed to that hereinabove set forth and
that the name relinquished at the time of such change was Exide Corporation

Exide Technologies

(Name of Corporation)

Molly M. Israel
(Signature of Corporate Officer)

Molly M. Israel, Asst. Secretary

(Typed Name and Title of Officer Signing)

Office of the Secretary of State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE SAID "EXIDE CORPORATION", FILED A CERTIFICATE OF OWNERSHIP, CHANGING ITS NAME TO "EXIDE TECHNOLOGIES", THE SIXTEENTH DAY OF JULY, A.D. 2001, AT 12:15 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE FIRST DAY OF AUGUST, A.D. 2001, AT 9 O'CLOCK A.M.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0649626 8320

010404555

AUTHENTICATION: 1299284

DATE: 08-16-01



State of California
Secretary of State

I, BRUCE McPHERSON, Secretary of State of the State of California, hereby certify:

That the attached transcript of 2 page(s) was prepared by and in this office from the record on file, of which it purports to be a copy, and that it is full, true and correct.



IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

MAR 15 2006

A handwritten signature in cursive script, reading "Bruce McPherson".

BRUCE McPHERSON
Secretary of State



**State of California
Secretary of State**

F

05-301922

**STATEMENT OF INFORMATION
(Foreign Corporation)**

FEES (Filing and Disclosure): \$25.00. If amendment, see instructions.

IMPORTANT — READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. **CORPORATE NAME** (Please do not alter if name is preprinted.)

CO528222 DUE 6-30-05 01339F NPT
EXIDE TECHNOLOGIES
13000 DEERFIELD PARKWAY, BUILDING 200
ALPHARETTA, GEORGIA 30004

FILED
In the office of the Secretary of State
of the State of California

JUN 27 2005

This Space For Filing Use Only

DUE DATE:

CALIFORNIA CORPORATE DISCLOSURE ACT (Corporations Code section 2117.1)

A publicly traded corporation must file with the Secretary of State a Corporate Disclosure Statement (Form SI-PT) annually, within 150 days after the end of its fiscal year. Please see reverse for additional information regarding publicly traded corporations.

NO CHANGE STATEMENT

2. If there has been no change in any of the information contained in the last Statement of Information filed with the Secretary of State, check the box and proceed to Item 11.
If there have been any changes to the information contained in the last Statement of Information filed with the Secretary of State, or no statement has been previously filed, this form must be completed in its entirety.

COMPLETE ADDRESSES FOR THE FOLLOWING (Do not abbreviate the name of the city. Items 3 and 4 cannot be P.O. Boxes.)

3. STREET ADDRESS OF PRINCIPAL EXECUTIVE OFFICE	CITY AND STATE	ZIP CODE
150 BRUNSWICK PIKE - SUITE 230	LAWRENCEVILLE, NJ	08648
4. STREET ADDRESS OF PRINCIPAL BUSINESS OFFICE IN CALIFORNIA, IF ANY	CITY	STATE
		CA

NAMES AND COMPLETE ADDRESSES OF THE FOLLOWING OFFICERS (The corporation must have these three officers. A comparable title for the specific officer may be added; however, the preprinted titles on this form must not be altered.)

5. CHIEF EXECUTIVE OFFICER/	ADDRESS	CITY AND STATE	ZIP CODE
CRAIG H. MULHAUSER	3150 BRUNSWICK PIKE-SUITE 230	LAWRENCEVILLE NJ	08648
6. SECRETARY/	ADDRESS	CITY AND STATE	ZIP CODE
STUART H. KUPINSKY	3150 BRUNSWICK PIKE-SUITE 230	LAWRENCEVILLE NJ	08648
7. CHIEF FINANCIAL OFFICER/	ADDRESS	CITY AND STATE	ZIP CODE
J. TIMOTHY GARGARO	3150 BRUNSWICK PIKE-SUITE 230	LAWRENCEVILLE NJ	08648

AGENT FOR SERVICE OF PROCESS (If the agent is an individual, the agent must reside in California and Item 9 must be completed with a California address. If the agent is another corporation, the agent must have on file with the California Secretary of State a certificate pursuant to Corporations Code section 1505 and Item 9 must be left blank.)

8. NAME OF AGENT FOR SERVICE OF PROCESS	CITY	STATE	ZIP CODE
CT CORPORATION SYSTEM	LOS ANGELES	CA	90017
9. ADDRESS OF AGENT FOR SERVICE OF PROCESS IN CALIFORNIA, IF AN INDIVIDUAL	CITY	STATE	ZIP CODE
818 WEST 7TH STREET	LOS ANGELES	CA	90017

TYPE OF BUSINESS

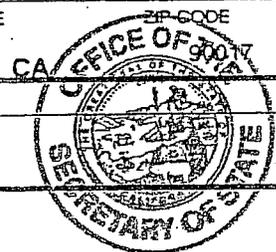
10. DESCRIBE THE TYPE OF BUSINESS OF THE CORPORATION
MANUFACTURE AND SALE OF BATTERIES

11. THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT.

LEONARD F. PIEDICENTE
TYPE OR PRINT NAME OF PERSON COMPLETING THE FORM

Leonard F. Piedicente
SIGNATURE

TAX DIRECTOR TITLE
6/23/2005 DATE





State of California Secretary of State

STATEMENT OF INFORMATION (Foreign Corporation)

F

05-301922

FEES (Filing and Disclosure): \$25.00. If amendment, see instructions.

IMPORTANT — READ INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. CORPORATE NAME (Please do not alter if name is preprinted)

CO528222 DUE 6-30-05 01339F NPT
EXIDE TECHNOLOGIES
13000 DEERFIELD PARKWAY, BUILDING 200
ALPHARETTA, GEORGIA 30004

FILED
In the office of the Secretary of State
of the State of California

JUN 9 7 2005

This Space For Filing Use Only

DUE DATE:

CALIFORNIA CORPORATE DISCLOSURE ACT (Corporations Code section 2117.1)

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If there have been any changes to the information contained in the last Statement of Information filed with the Secretary of State, or no statement has been previously filed, this form must be completed in its entirety.

COMPLETE ADDRESSES FOR THE FOLLOWING (Do not abbreviate the name of the city. Items 3 and 4 cannot be P.O. Boxes.)

STREET ADDRESS OF PRINCIPAL EXECUTIVE OFFICE	CITY AND STATE	ZIP CODE
150 BRUNSWICK PIKE - SUITE 230	LAWRENCEVILLE, NJ	08648
STREET ADDRESS OF PRINCIPAL BUSINESS OFFICE IN CALIFORNIA, IF ANY	CITY	STATE
		CA

NAMES AND COMPLETE ADDRESSES OF THE FOLLOWING OFFICERS (The corporation must have these three officers. A comparable title for the specific officer may be added; however, the preprinted titles on this form must not be altered.)

OFFICER	ADDRESS	CITY AND STATE	ZIP CODE
5. CHIEF EXECUTIVE OFFICER/ CRAIG H. MULHAUSER	3150 BRUNSWICK PIKE-SUITE 230	LAWRENCEVILLE NJ	08648
6. SECRETARY/ STUART H. KUPINSKY	3150 BRUNSWICK PIKE-SUITE 230	LAWRENCEVILLE NJ	08648
7. CHIEF FINANCIAL OFFICER/ J. TIMOTHY GARGARO	3150 BRUNSWICK PIKE-SUITE 230	LAWRENCEVILLE NJ	08648

AGENT FOR SERVICE OF PROCESS (If the agent is an individual, the agent must reside in California and Item 9 must be completed with a California address. If the agent is another corporation, the agent must have on file with the California Secretary of State a certificate pursuant to Corporations Code section 1505 and Item 9 must be left blank.)

8. NAME OF AGENT FOR SERVICE OF PROCESS
GT CORPORATION SYSTEM

9. ADDRESS OF AGENT FOR SERVICE OF PROCESS IN CALIFORNIA, IF AN INDIVIDUAL

ADDRESS	CITY	STATE	ZIP CODE
818 WEST 7TH STREET	LOS ANGELES		

TYPE OF BUSINESS

10. DESCRIBE THE TYPE OF BUSINESS OF THE CORPORATION
MANUFACTURE AND SALE OF BATTERIES

11. THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT.

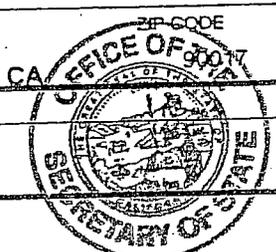
LEONARD F. PIEDIMONTE
TYPE OR PRINT NAME OF PERSON COMPLETING THE FORM

Leuln
SIGNATURE

TAX DIRECTOR
TITLE

6/23/00
DATE

APPROVED BY SECRETARY OF STATE



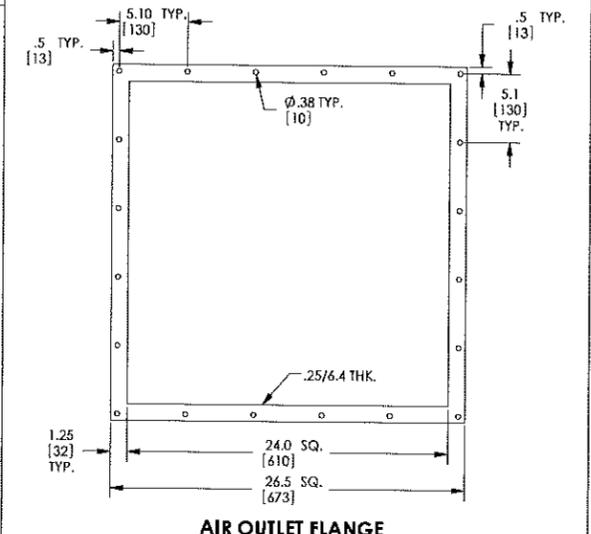
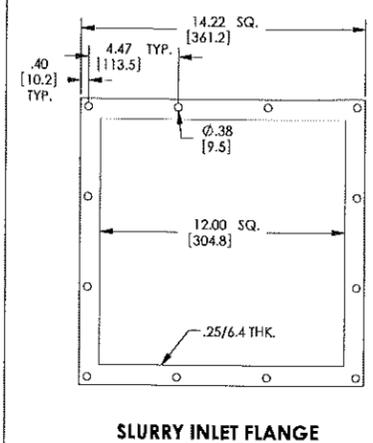
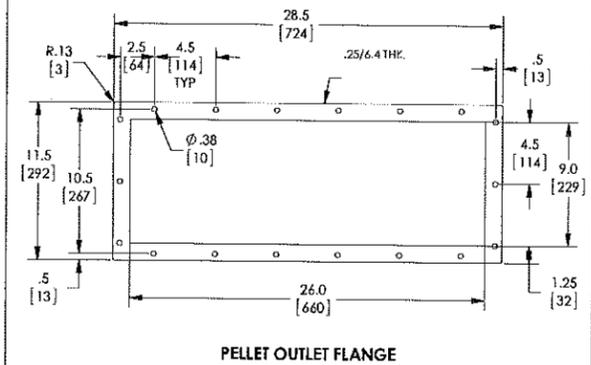
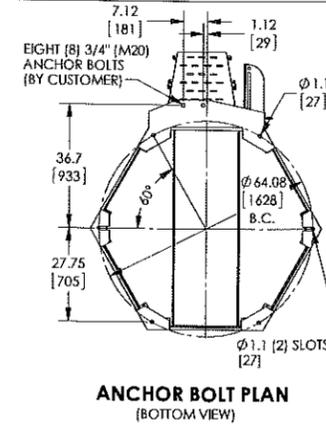
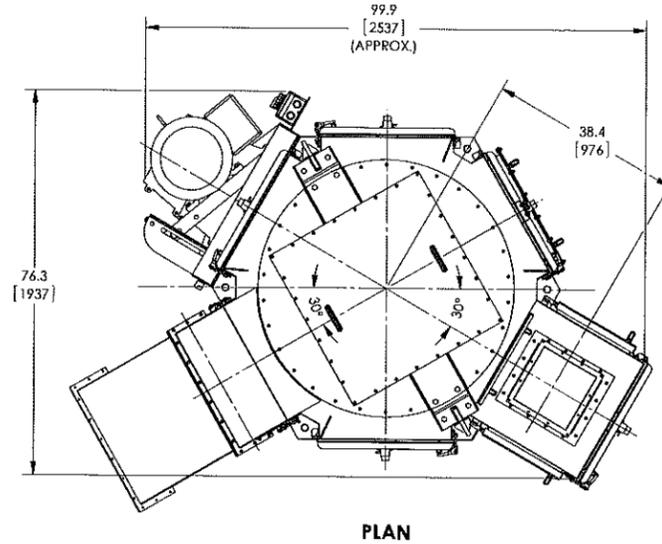


Centrifuge No. 1
(Unit 80)

CEILING HEIGHT REQUIREMENTS:

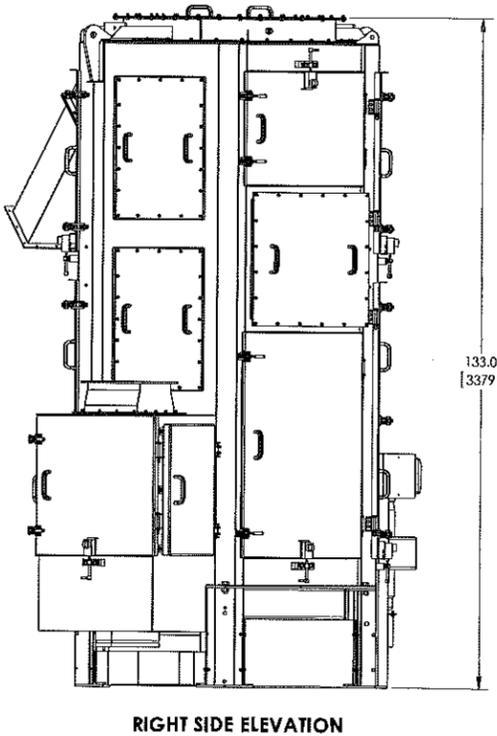
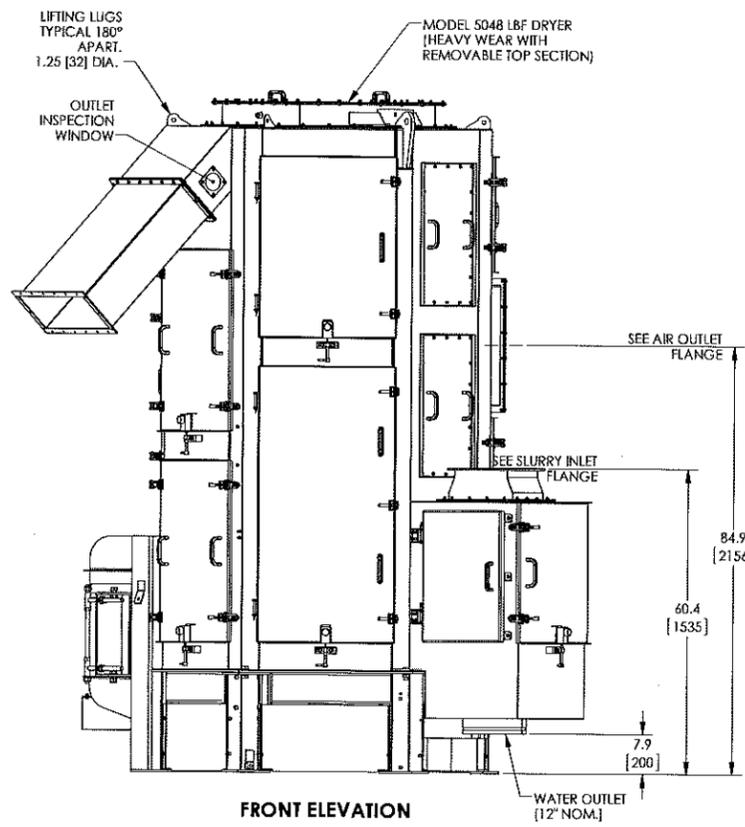
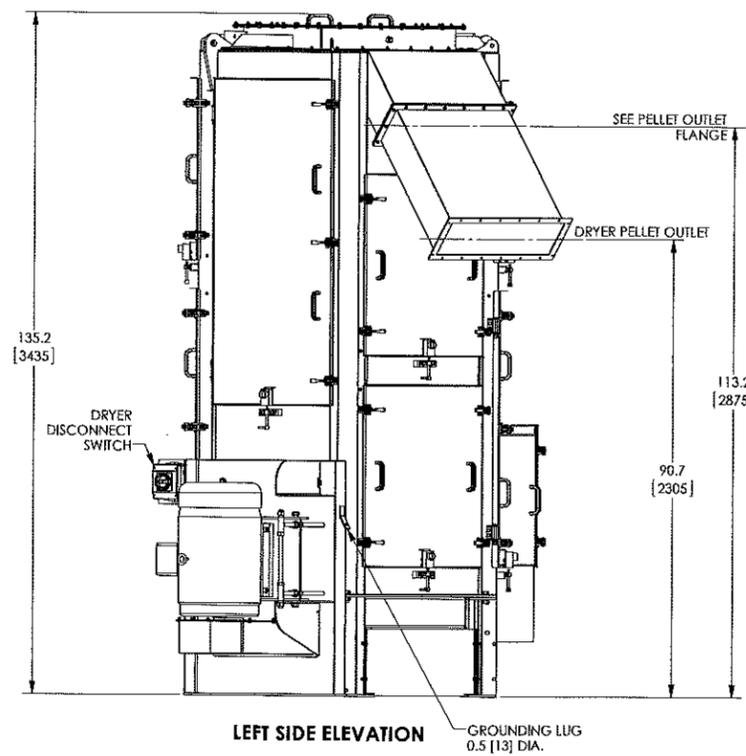
MINIMUM CEILING HEIGHT: 174.0 [4420] FROM FLOOR LINE.

MINIMUM CEILING HEIGHT FOR REMOVING ROTOR WITH DRYER IN PLACE: 282.0 [7163] FROM FLOOR LINE.



SPECIAL FEATURES
 WIDE PELLET OUTLET (9" X 26" INSIDE)
 WIDE PELLET OUTLET CHUTE EXTENSION
 BLANK FEED SCREEN
 AIR OUTLET AND INLET COVERS (SHOWN)
 NO FILTER HOUSING ARRANGEMENT "M"
 S/S SUPPORT STAND (BOTTOM SUPPORT BRACE)
 12" SQ. SLURRY INLET FLANGE (MODEL 12)

- GENERAL NOTES:**
- 1- PROVIDE THREE (3) FEET (914MM) OF CLEAR SPACE AROUND DRYER FOR DOOR ACCESS
 - 2- DIMENSIONAL TOLERANCES UNLESS OTHERWISE NOTED ARE +/-1.0 (24mm)
 - 3- DETAIL FLANGE DIMENSIONS DO NOT INCLUDE INTERIOR WALL THICKNESSES.
 - 4- REFER TO INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.
 - 5- DRYER SHOULD NEVER BE STARTED WHILE FULL OR PARTIALLY FULL OF MATERIAL. DAMAGE TO THE MACHINE CAN OCCUR.
 - 6- DRYER SHOULD NOT BE SUBJECTED TO EXCESSIVE "SURGE FEEDING" OF INPUT MATERIAL AS PART FAILURES AND IMPROPER PERFORMANCE WILL OCCUR.
 - 7- CAUTION: DRYER SHOULD NEVER BE LIFTED WITH ANY MAJOR OPTIONAL EXTRA EQUIPMENT MOUNTED IN PLACE AS IT IS NOT DESIGNED TO SUPPORT ADDITIONAL WEIGHT.
 - 8- THE MINIMUM VERTICAL SLURRY PIPE LENGTH ABOVE THE INLET OF GALA'S DRYER OR AGGLOMERATE CATCHER SHOULD BE NO LESS THAN 3 TIMES THE NOMINAL PIPE DIAMETER FOR PIPE SIZES FROM 6" NOMINAL TO 18" NOMINAL.
 THE MAXIMUM ACCUMULATIVE VERTICAL DROP OF THE SLURRY MIXTURE ENTERING GALA'S DRYER OR AGGLOMERATE CATCHER SHOULD BE NO MORE THAN 6 TIMES THE NOMINAL PIPE DIAMETER FOR PIPE SIZES FROM 6" NOMINAL TO 18" NOMINAL.
 IF THERE ARE ANY QUESTIONS CONCERNING THIS, CONTACT GALA'S CUSTOMER SERVICE DEPARTMENT.
 - 9- DESIGN DRYER FOUNDATION FOR STATIC LOAD OF 20,004 lbs.:
 (WEIGHT OF WATER IF DRYER FILLED COMPLETELY [APPROX. 14,199 lbs.] + DRYER WEIGHT LISTED BELOW.)
 THE DYNAMIC LOAD IS NIL.



CUSTOMER: **EXIDE TECHNOLOGIES**

P.O. NUMBER: 2355429

UNIT 80

CERTIFIED DRAWING
 RELEASED FOR
 INSTALLATION
 BY: WKU DATE: 07/27/12

CONFIDENTIAL
 DO NOT DUPLICATE WITHOUT WRITTEN CONSENT OF GALA INDUSTRIES, INC.

5048 LBF DRYER
 INSTALLATION DATA
 ARRANGEMENT "M"

Gala Industries, Inc.
 181 Parkway Street, Eagle Rock, VA, 24095 U.S.A.
 Tel: 540-884-2359 Fax: 540-884-2310

REV.	DATE	BY	CHK.
01	07/27/2012	WKU	JEL

REVISIONS

DATE: 01/20/2012
 DRAWN: S.Anderson
 CHECKED: B.Thacker
 SCALE: 1:16
 SHEET: 01 OF 01
 PROJECT: 11101116 DRY

AS NOTED
 INCHES / MM
 01 / 25.4

SOLIDWORKS

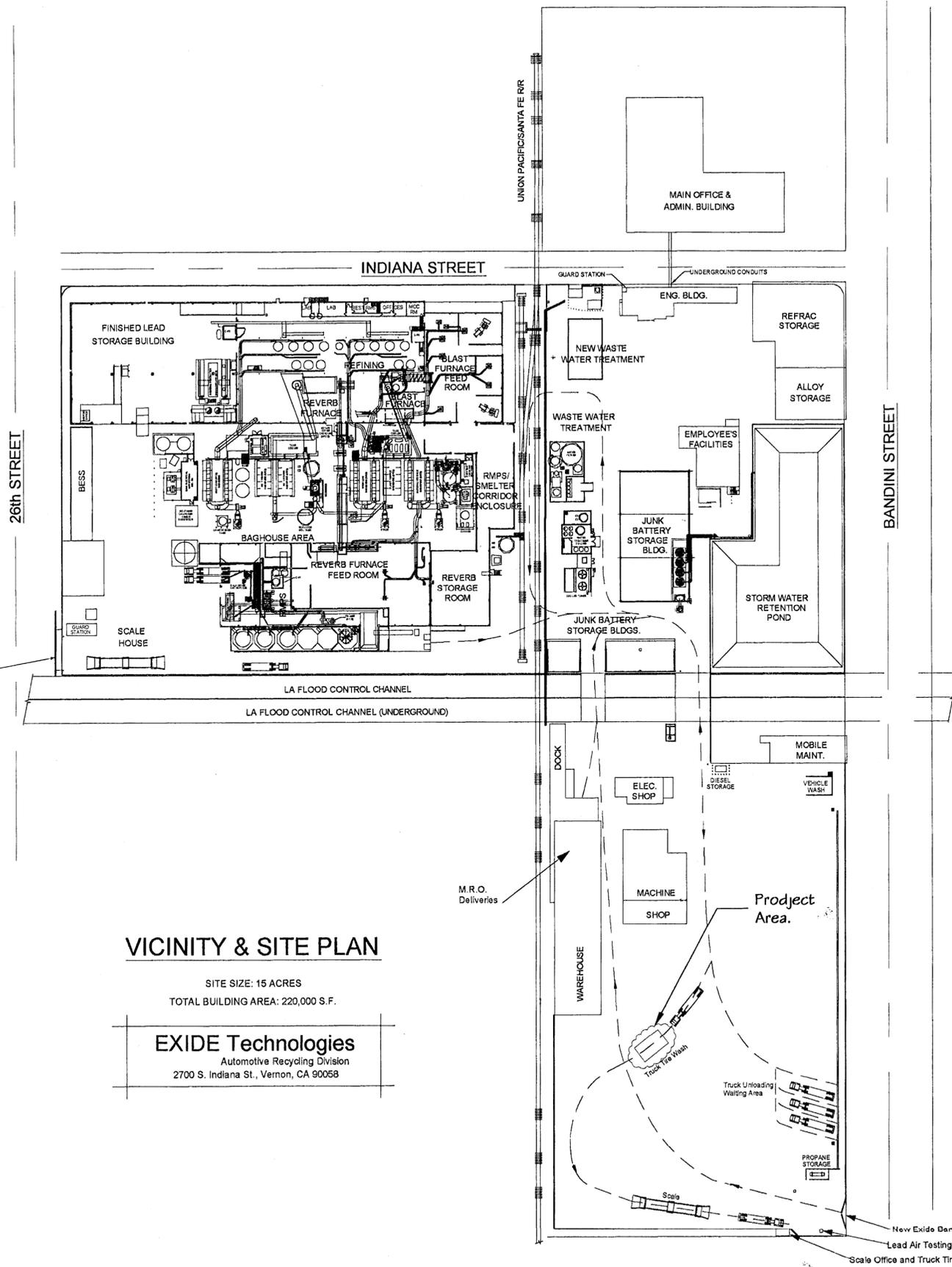


West Yard Truck Wash (Unit 87)

SHEET INDEX

- S.1.0 Site Plan View
- S.2.0 Construction Notes
- S.3.0 Concrete Foundations
- S.3.1 Concrete Details
- S1 A.S.C, Interstate Carport structural

Old 26TH Street Entrance



VICINITY & SITE PLAN

SITE SIZE: 15 ACRES
TOTAL BUILDING AREA: 220,000 S.F.

EXIDE Technologies
Automotive Recycling Division
2700 S. Indiana St., Vernon, CA 90058

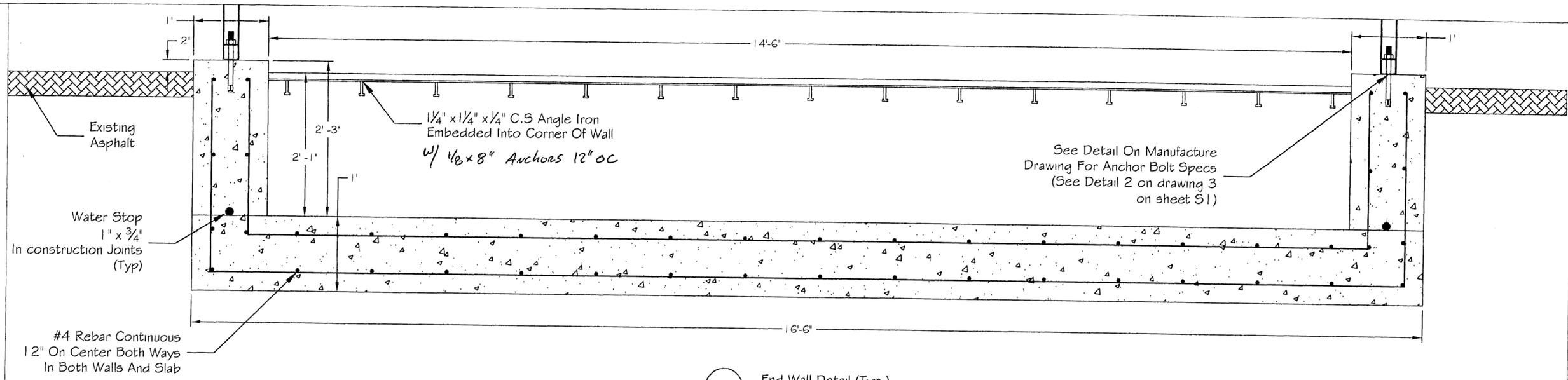


MK.	DATE	REVISION	BY	CHKD.	DATE
	8-9-10	New Location	RB		

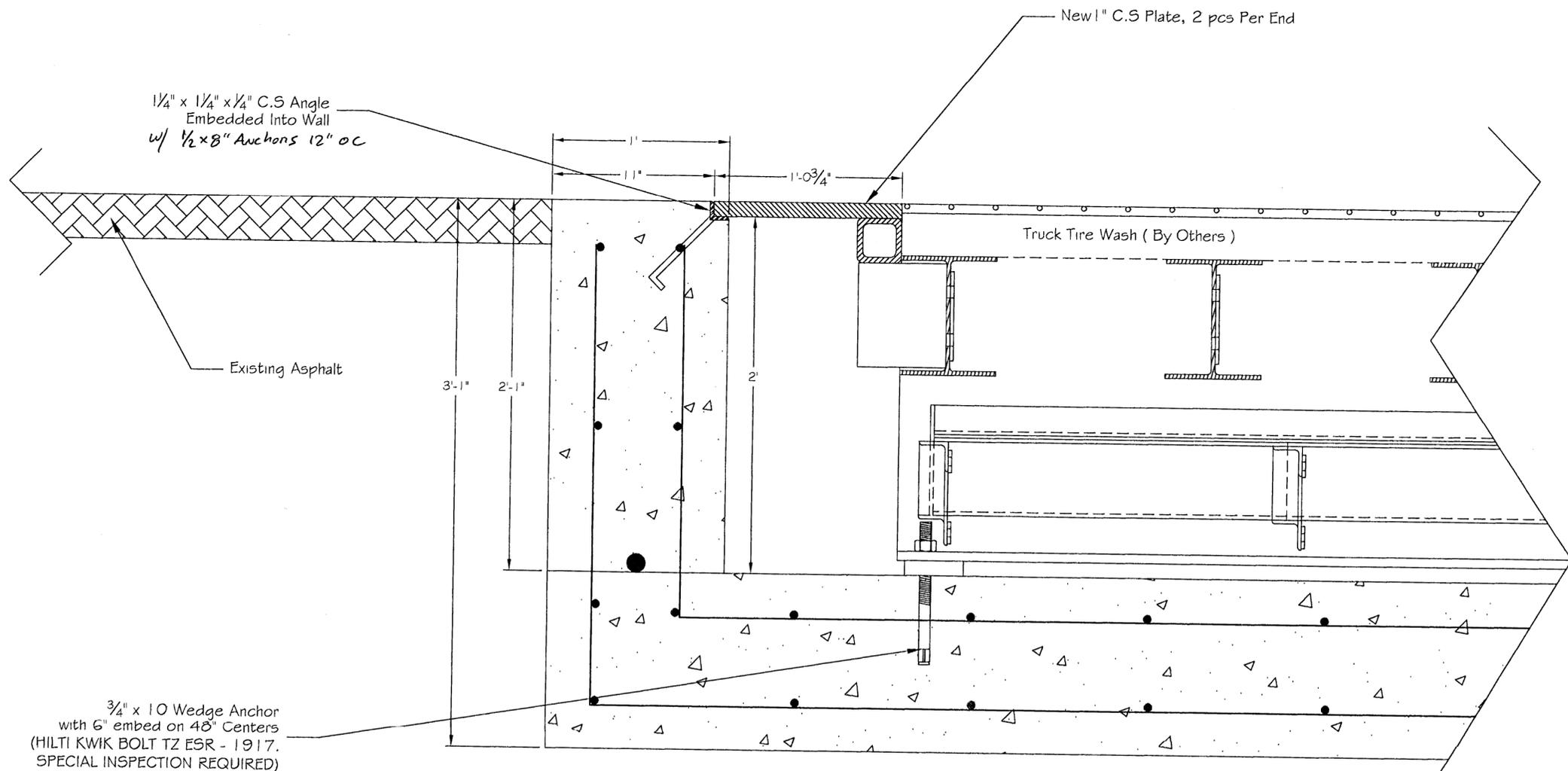


PERMIT APPLICATIONS INFORMATION		DRAWING RECORD INFORMATION	
AIR BLDG.	DATE	DATE	DATE
WATER BLDG.	DATE	DATE	DATE
SCALE	1" = 10'	DATE	DATE

Advanced Constructors Corp.		Huntington Beach, Ca	
New Tire Wash Site Plan			
PROJECT NUMBER	FAC. NO.	DEPT/AREA	DRAWING TYPE
-----	---	---	Struc S.1.0
			REV. NO. 1



1 End Wall Detail (Typ.)
Scale: 1" = 1'



2 Enter & Exit Detail
Scale: 1 1/2" = 1'



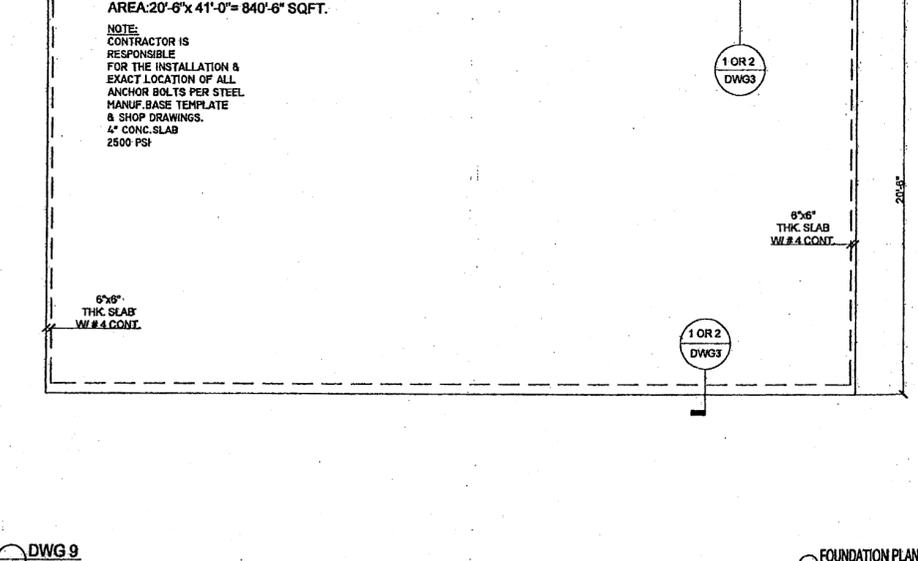
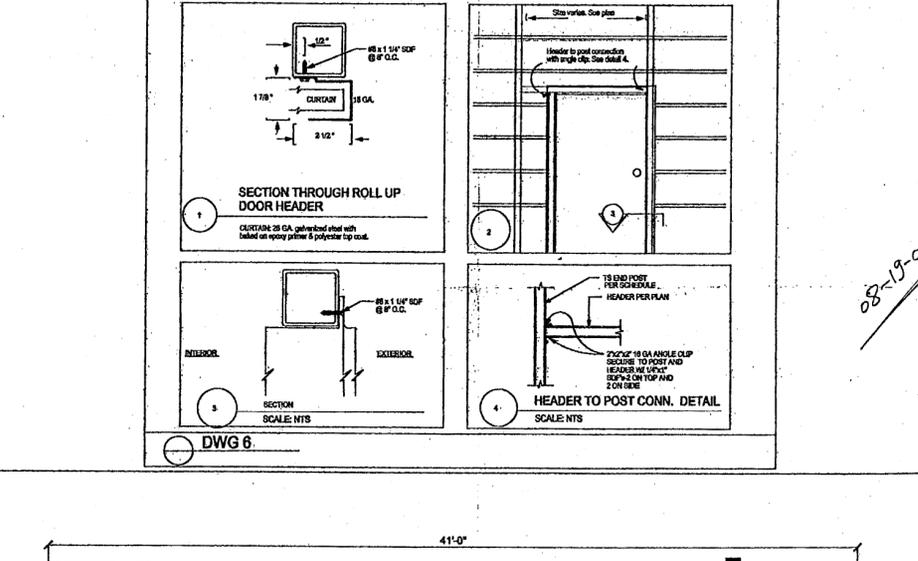
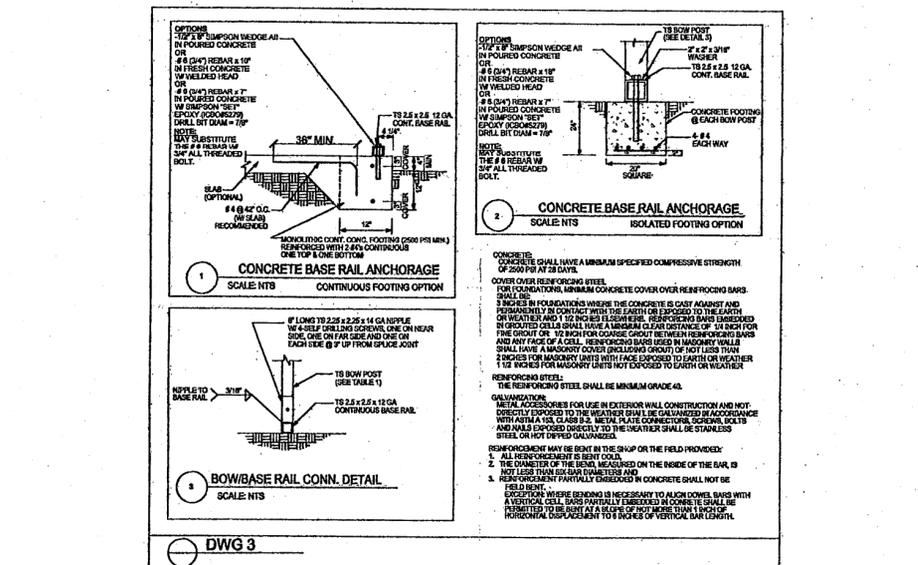
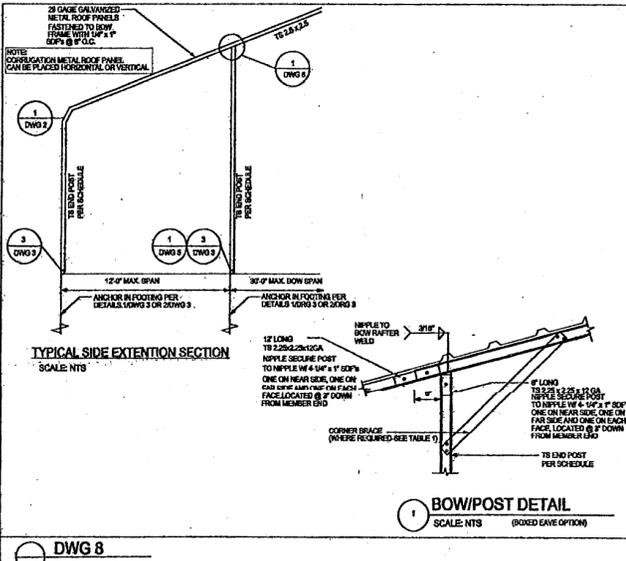
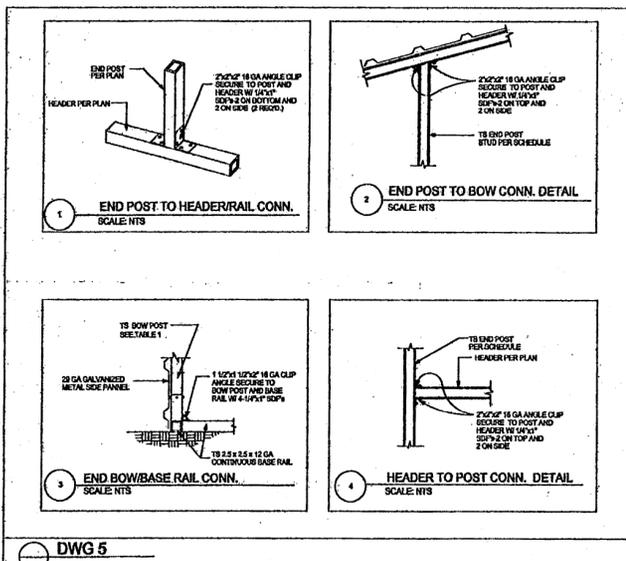
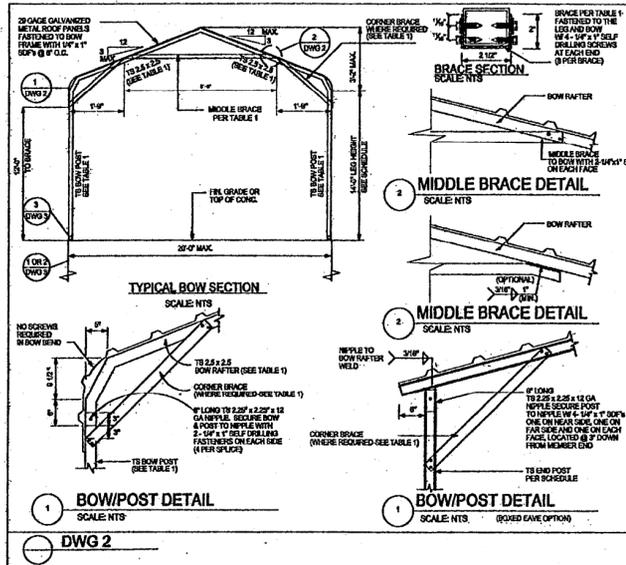
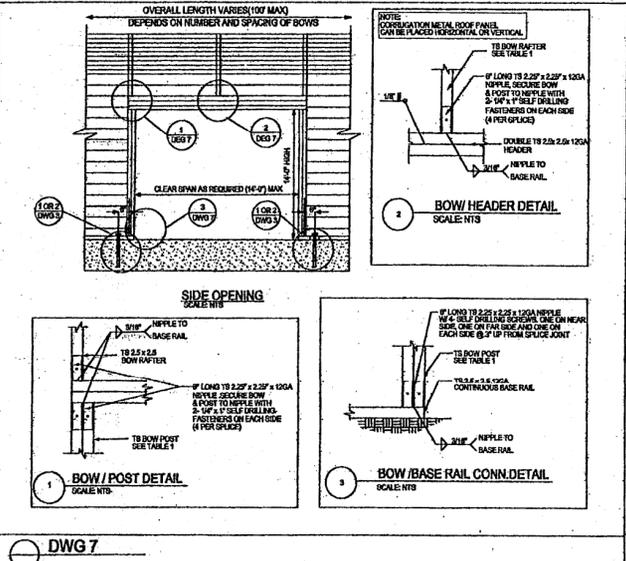
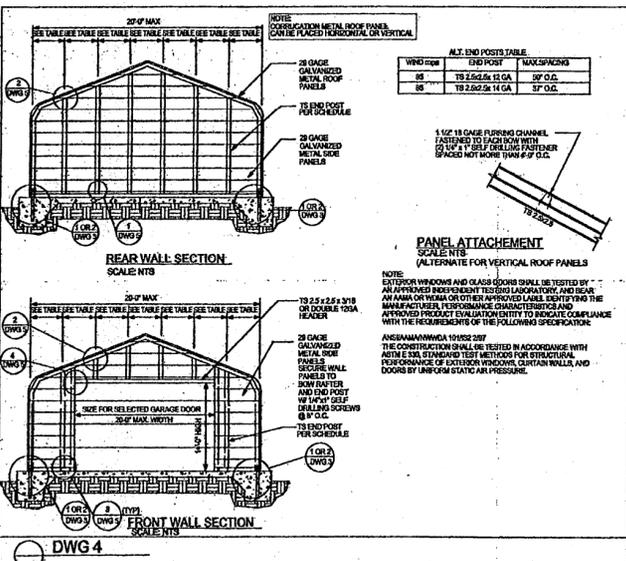
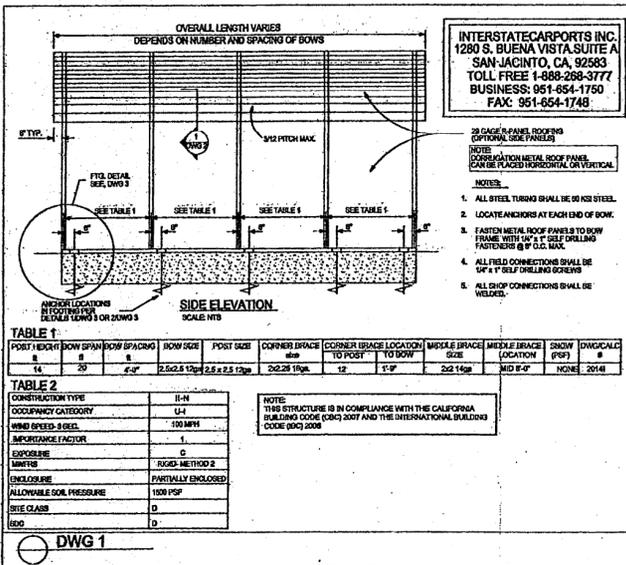
MK.	DATE	REVISION	BY	CHKD.	DATE

PERMIT APPLICATIONS INFORMATION	
AIR	
WATER	
BLDG.	
DRAWING RECORD INFORMATION	
DRAWN BY	Randy Brown II
DATE	8-1-10
SCALE	
APPROVED BY	
STATUS	

Advanced Constructors Corp. Huntington Beach, Ca

Tire Wash Concrete Foundation Details

PROJECT NUMBER: ----- FPG. NO.: --- DEPT/AREA: --- DRAWING TYPE: --- DRAWING NUMBER: **S.3.10** REV. NO: 10



ENGINEER
R.S.
DRAWN BY
Z.K.
DATE
08 19 2009
REVISIONS:

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EXIDE TECHNOLOGIES
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PROJECT NUMBER
1532
SHEET NUMBER
S1